

BADGER STATE

Smoke Signals

For Radio Amateurs • By Radio Amateurs

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Happy Hamfesters



These happy faces were captured on film at the Madison Swapfest, on April 8, 1990. From left to right are Bob Hugi and his father, Dick Hugi, KC9CJ, Milwaukee; Rob Hummell, WA9ZTY, Marshall; Roy Pedersen, K9FHI, Juneau; and Dan Schobert, W9MFG, Plover. Dick is the net manager of the Badger Weather Net. Until recently, Rob served for many years as a net control station on the South-Central Wisconsin SkyWarn Net on the 146.28/146.88 Baraboo repeater. Roy is a past Section Communications Manager for Wisconsin, and is currently the secretary of the Wisconsin Chapter 55 of the Quarter Century Wireless Association (QCWA). Dan is a long-time traffic net operator and traffic handler. Watch the next issue of Badger State Smoke Signals for a bevy of other photos of other folk lucky enough to be caught by the camera at the swapfest.

- K9ZZ photo

ARRL Seeks Federal Preemption for Broadband Amateur Transceivers

On March 15, the Federal Communications Commission issued a Public Notice requesting comments on an American Radio Relay League Request for Issuance of Declaratory Ruling, filed on November 13, 1989. The ARRL requests that the Commission preempt, on the basis of federal jurisdiction, certain state statutes and local ordinances affecting transceivers used by amateurs. In its request, ARRL cites many statutes and local ordinances, directed toward radio reception in automobiles, that have the effect of prohibiting ownership of amateur transceivers capable of reception on frequencies used for law enforcement and other public safety activities.

The League states that, to facilitate adequate reception of the end frequencies of amateur bands, the receivers of commercially available transceivers typically tune past the ends of the amateur bands. ARRL views this additional reception as technically justifiable, and as merely incidental to authorized amateur service frequency band reception.

The FCC Private Radio Bureau has requested comments on this issue. An orig-

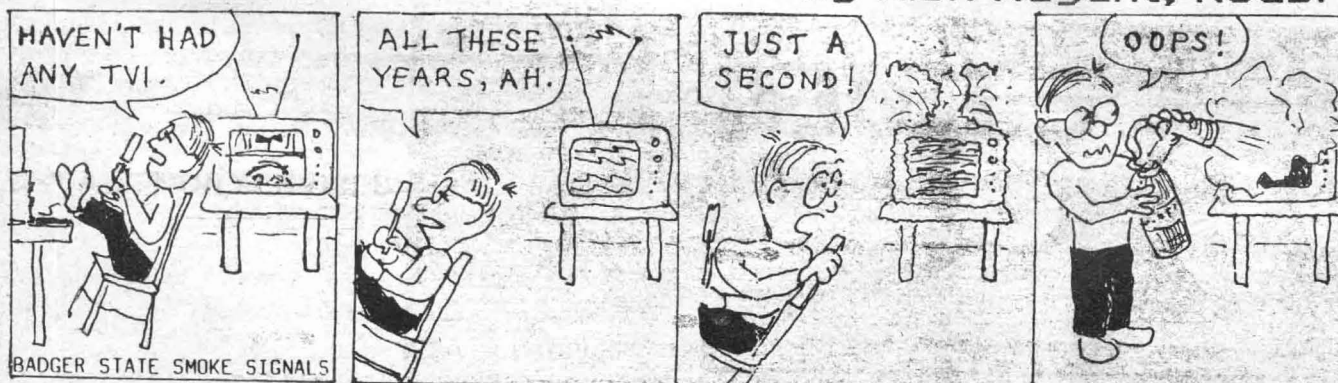
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ELMER

by Rich Regent, K9GDF



Swapfests and other Social Events

SATURDAY, MAY 5, 1990. The Twelfth Annual Swapfest of the Ozaukee Radio Club will be held at the Circle B Recreation Center in Cedarburg, WI. Contact: ORC Swap, N5415 Crystal Springs Ct., Fredonia, WI 53021. (414) 692-2329.

SATURDAY, MAY 12, 1990. Swapfest 1990, sponsored by the Iri County ARC, at the Jefferson County Fairgrounds, Highway 18 West, Jefferson, WI. Contact: Iri County ARC, P.O. Bx 112, Jefferson, WI 53449.

SATURDAY, MAY 12, 1990. Lakeshore Hamfest, Manitowoc, WI sponsored by Mancorad Radio Club. Manitowoc County Expo, intersection of hwy 42-151 and I-43 on county hwy "R", follow signs to center. Contact: Mancorad Radio Club, P.O. Box 204, Manitowoc, WI 54221-0204. Call "Red" (414) 684-9097 (days) or "Lou" (414) 682-2557 (nights).

SUNDAY, MAY 27, 1990. Chicago Amateur Radio Club Hamfest, DeVry Institute of Technology, 3300 North Campbell, Chicago, IL. CARC, 5631 West Irvin Park Rd., Chicago, IL 60634. (708) 869-HAMS or (312) 545-3622.

JUNE 2 AND 3: S.M.U.G. presents the 1990 Sinclair Computer Exposition at the Waukesha (WI) Holiday Inn at Highways 18 and I-94. There will be seminars, door prizes, a swap shop, also software, peripherals, hardware, and lots of other stuff. There will be a banquet Friday night, June 1. A SNUG meeting will be held Saturday night, June 2. Advance tickets: 1 day, \$4.00; both days, \$7.00; banquet, \$16.00; swap table (6 ft. by 30"), \$25.00 (including 2-day badge). Prices at door: 1 day, \$5.00; both days, \$9.00. At door prices for banquet and tables are

same as advance prices. Limited seating for banquet, and limited table space for swap. More information from Bill Heberlein, 5052 N. 91st St., Milwaukee, WI 53225, or call Neal Schultz between 7 and 10 p.m. at (414) 353-4522. Mail reservations to Expo Reservations, P.O. Box 101, Butler, WI 53007.

JUNE 8-10, 1990. ARRL National Convention, Kansas City, MO. See "QST" for details.

SATURDAY, JUNE 17, 1990. The Central Wisconsin Radio Amateurs will hold their annual Swapfest at the University Center on the UW-Stevens Point Campus in Stevens Point, WI. Morning and afternoon ARRL/VEC exam sessions, Seminars, tables and power available for commercial vendors. Contact: Art Wysocki, N9BCA, 3356 April Lane, Stevens Point, WI 54481.

SATURDAY, JULY 7, 1990. South Milwaukee ARC Swapfest at the American Legion Park, Shepard Ave., Oak Creek, WI. Contact: SMARC, P.O. Box 102, Milwaukee, WI 53172. (see ad last page.)

SUNDAY, JULY 8, 1990. Downers Grove, IL. Contact: Dupage ARC, Ed Weinstein, 7511 Walnut Ave., Woodridge, IL 60517. (708) 985-0527

SATURDAY, JULY 14, 1990. Eau Claire Hamfest and Computer Expo., Sponsored by the Eau Claire ARC. 4-H buildings on Fairfax St., behind Highland Mall. Packet meeting at 10:30 a.m. with live demonstration. 8' tables \$3.00, Dealers \$5.00. Amateur license test given from 9:00 a.m. to 1:00 p.m., all walk-ins. Contact Liz Seering, 1129 McKinley Road, Eau Claire, WI 54701. (715) 834-1303. (See also ad in next months BSSS.)

JULY 28-31, 1990. EAA Fly-in & Convention at Oshkosh, WI. The Fox cities ARC will operate W9ZL, a special event station.

As a service to our readers, this section of Badger State Smoke Signals is available without charge to list your upcoming Swapfest, Hamfest, dinner, picnic, party or other event of interest to Radio Amateurs in Wisconsin and nearby areas.

Send information on your event to Kenneth A. Ebner, K9EN, 822 Wauona Trail, Portage, WI 53901.

Club Meetings

Due to space limitations we are not carrying the complete listing of Wisconsin club meetings in this issue. The following are additions or changes from the last listing. For information about other clubs, see the February 1990 issues of Badger State Smoke Signals. We plan to carry the complete listing next month.

QCWA - WISCONSIN CHAPTER #55

Contact Robert Halbman, AJ9P, Treasurer, For information about meeting dates or joining QCWA Chapter #55. The Wisconsin Chapter holds Spring and Fall dinner meetings.

The QCWA spring meeting, banquet will be held June 2, 1990 at "The Club" 977 W. Scott St., Fond Du Lac, WI. If you plan to attend this meeting & banquet, let Bob Halbman, AJ9P, know. The menu will consist of sliced turkey, and swiss steak, coleslaw, mashed potatoes, gravy, dressing, vegetable, relishes, macaroni salad, gelatin mold, roll, butter, and coffee, tea or milk. Serving will be family style.

The QCWA meeting will follow the noon banquet along with an auction after the meeting. There will be activities for the ladies.

The cost for the banquet will be \$11.00 per person. You may pay in advance to the Treasurer, QCWA Chapter 55, Robert Halbman, AJ9P, 1536 Summit Ave., Beloit, WI 53511, or you may pay at the door.

TAYLOR COUNTY AREA AMATEUR RADIO CLUB (TCAARC) MEDFORD

Usually the 2nd Thursday of the month at 7:00 PM sharp. Usual location: emergency government meeting room, basement of Sheriff's Annex to Taylor County Courthouse, 2nd and Ogden Sts., Medford, WI. Talk-in on 147.75/15 or 145.27(-600) repeaters. Amateurs & guests are welcome. ARS Net, Wednesday nights at 8:30 PM on 147.75/15. For info contact: Rolland Walty, W9LEE, W4117 Hwy. 102, Westboro, WI 54490. (715) 427-3492

Let Badger State Smoke Signals know your club's meeting dates, and we will let our readers know of your meetings and activities. There may be Amateurs in your area interested in joining your club, or members of other clubs interested in making an interclub visit.

THE BARGAIN MODE

SSB

SELL SWAP BUY

OUR WANT ADS GET RESULTS

FOR SALE: 13' element KLM-2 meter beam, excellent shape. \$55.00. Model 1550 HAL electronickeyer with Vibroflex chrome bug. \$60.00. Carl Lassanske, KA9UIN, RR3, Box 449, Wautoma, WI 54982. (414) 787-4978

FOR SALE: Kenwood TM-221A 2 meter mobile, 45 watts. \$300.00. Call Steve (715) 834-5904 (evenings).

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ADDRESS CHANGES AND CORRECTIONS should be sent to Kenneth A. Ebner, address above.

EDITORIAL MATERIAL, PHOTOGRAPHS, FEATURE ARTICLES, AND EXCHANGE PAPERS should be sent to Jim Romelfanger, address above.

DISPLAY ADS or INQUIRIES REGARDING DISPLAY ADS may be directed to Harry Westlund or Kenneth Ebner, addresses above.

SUBSCRIPTIONS should be sent, with check or money order (do not send cash), to Jim Decker, address above.

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SUBSCRIPTIONS

1 year	(12 issues)	\$8.50
2 years	(24 issues)	\$16.00
3 years	(36 issues)	\$23.00

The TEST POINT



The following are known locations where Amateur Radio license examinations are scheduled in the Badger State area. (Underlined are added or changed since last months BSSS.)

May 2, 1990	Milwaukee, WI (MRAC)
May 5, 1990	Milwaukee, WI (BE) (Ozaukee Swapfest)
May 5, 1990	Marshfield, WI
May 12, 1990	Manitowoc, WI (Lakeshore Hamfest)
May 17, 1990	Onalaska, WI
June 6, 1990	Milwaukee, WI (MRAC)
June 16, 1990	Dubuque, IA
June 17, 1990	Stevens Point, WI
July 13-14, 1990	Eau Claire, WI
September 13, 1990	Eau Claire, WI
September 15, 1990	Milwaukee, WI (BE)
September 15, 1990	Dubuque, IA
October 20, 1990	Milwaukee, WI (BE)
November 3, 1990	Menomonie, WI
November 17, 1990	Milwaukee, WI (BE)
December 8, 1990	Dubuque, IA
December 15, 1990	Milwaukee, WI (BE)
Monthly, First Sat.	Racine, WI (except January, July & August)
Monthly, Last Sat.	Tomahawk, WI (January thru October only)
Monthly, Third Sat.	Loves Park, IL
Minnesota tests listed at end of column	

GENERAL RULES FOR MOST EXAMINATIONS:

Be sure to check with sponsors in the event there are changes and/or errors in the dates or information given.

Most examinations require filing an FCC Form 610 and advance registration at least 30 days before the exam date. (Some VECs permit walk-ins. Check with sponsor.)

To register, you must first secure a copy of the current FCC Form 610 and fill it out completely (AND CORRECTLY). Get your form from an FCC Field Office, the ARRL or Badger State Smoke Signals. Send a 25¢ SASE if you request one from the ARRL or BSSS. In most cases, forms can also be obtained from the sponsoring group.

ARRL/VEC examinations require a check for \$4.95 payable to "ARRL/VEC".

The FCC now requires applicants to show their original Amateur license to the VEC. A copy of your license must be attached to your FCC form 610. You will also be required to have a photo ID, or other acceptable identification.

Technician class licensees must show proof of testing before March 21, 1987, in order to upgrade to General with a code test only.

Additional information is given below.

MILWAUKEE RADIO AMATEURS' CLUB - MRAC/VEC

1990 examination dates: May 2; June 6.

Tests are Wednesday evenings at 7:00 p.m. at Wauwatosa East High School, north 74th and Milwaukee Avenue. Enter through the southmost entrance on 74th Street. Go to room 256 on the 2nd floor. Please arrive promptly so testing can be completed before 10:00 p.m. Bring along your

original license and three (3) good photocopies, plus two forms of identification, such as a driver's license, etc. A pen and \$4.75 for the exam fee is also required. WALKINS are welcome. To register in advance on a 15 cent U.S. post card, print the grade of license you are applying for, and your name, address, and telephone number. Send the card to MRAC/VEC, c/o Jack Krause, W9JK, 1737 North 116th Street, Wauwatosa, WI 53226, or to Ed Seruga, KE9JJ, 3840 South 43rd Street #21, Milwaukee, WI 53220. Telephones: (414) 774-6999 or (414) 545-6299.

BADGER EXAMINERS (BE) - MILWAUKEE

May 5 (Ozaukee Swapfest), Sep. 15, Oct. 2, Nov. 17, & Dec. 15.

Unless otherwise noted, examinations are administered beginning at 1:00 p.m. to 3:30 p.m. at St. Nicholas Church basement, 5345 N. Green Bay Ave. (2 1/2 blocks south of Silver Spring), Milwaukee. Walkins are welcome. To register in advance, send a post card with your name, test or tests you wish to take, date you wish to take, your call sign, address and telephone number to Badger Examiners, Gary J. Sharbuno, WI9M, 5119 W. Willow Rd., Brown Deer, WI 53223. Telephone (414) 355-0237.

MARSHFIELD, WI

May 5, 1990

Starting time is 9:00 a.m. Walk-ins are welcome. At St. Joseph's Hospital, School of Nursing, Room 124 Marshfield, WI. Contact: Steve, WN9K on 147.78/147.18 repeater.

MANITOWOC, WI (Lakeshore Hamfest)

May 12, 1990

Held at the Lakeshore Hamfest. Contact: John Meyer, NZ9Z, P.O. Box 146, Kellnersville, WI 54215.

ONALASKA, WI

May 17, 1990

Onalaska Community Center, 515 Quincy St., Onalaska, WI. Limited walk-ins accepted, but greatly prefer letting us know one month in advance. Contact: Rick Williams, KV9U, 524 Troy St., Onalaska WI 54650. (608) 783-8028

STEVENS POINT, WI (ARRL/VEC)

June 17, 1990 (CWRA swapfest)

University Center, UW-Stevens Point. Morning and afternoon sessions will be offered. Contact: Art Wysocki, N9BCA, 3356 April Lane, Stevens Point, WI. (715) 344-2984

MENOMONIE, WI (ARRL-VEC)

November 3, 1990

Credit Union Bldg., 444 S. Broadway, Menomonie, WI. Contact: Dr. T. King, WF9I, 108 Shorewood Dr., Menomonie, WI 54751. (715) 235-5757.

Eau Claire, WI

Tests will be given on the following dates: July 13 and 14, and September 13, 1990

The September examinations will be given at the Facilities Management Building, The University of Wisconsin, Eau Claire Campus. The July Examinations will be held in conjunction with our Hamfest at the Eau Claire Junior Fair Grounds.

RACINE, WISCONSIN - ARRL/VEC

Monthly - first Saturday, except January, July, and August.

Exams are given at the Red Cross Building, 4521 Taylor Avenue, Racine. Walkins are permitted. Inquiries and registrations should be directed to William Firchow, Jr., NW9P, 1912 27th Street, Kenosha, WI 53140, telephone (414) 658-8390.

Tomahawk, WI

Last Saturday of every month. Jan. thru Oct.

Tomahawk Volunteer Examiners (ARRL/VEC). Tomahawk, WI. No pre-registration required, but appointment would be appreciated. Registration at 8:30 a.m. and testings starts at 9:00 a.m. For location or other information, inquire on 145.43 MHz. repeater or contact: Greg Garner, WA9W, 4088 Highway 51, Harshaw, WI 54529. Telephone (715) 453-7096.

DUBUQUE, IOWA (ARRL/VEC)

June 16, September 15, and December 8, 1990

Exams are at 9 a.m. in the Central Fire Station at 9th and Central in Dubuque. Use the basement entrance on 9th Street. Contact Mike Jozefowicz, NS0U, 2735 Hickory Hill, Dubuque, Iowa, telephone 319-582-8563. Talkins are on the 147.84/24 and 147.63/03 repeaters.

(Thanks Art Evans, KA9KLZ)

Loves Park, IL

Third Saturday of every month.

Northern Illinois Volunteer Examiners (DeVry VEC). Held at North Suburban District Library, 6340 North Second St. (Hwy. 251), Loves Park, IL. Contact: Dennis G. Eksten, W9SS, 5006 N. Second St., Loves Park, IL 61111. (815) 877-6768.

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SSB

SELL SWAP BUY

OUR WANT ADS GET RESULTS

WANTED: Mobile/DC 12volt Power supply for a Galaxy 5 or 5 MKII HF transceiver. Call or write: Gary WI9M, 5119 W. Willow Rd., Brown Deer, WI 53223. (414) 355-0237

WANTED: Mid-1960s vintage Nordmende portable radio. H. Church, W0KXP/9, Box 126, Lebanon, IL 62254. (618) 537-4498 or 6666.

FOR SALE: Complete all-mode packet station consisting of Commodore C-64C computer, 1541 disk drive, MPS-83 printer, 172 color monitor and PK-64 TNC with update for 36,68 bytes receive buffer and 124 bytes transmit buffer storage. Pick-up only. Will demonstrate. \$500.00. Contact Bob Knutson, W9BUG at (715) 834-8530.

FOR SALE: 2M repeater. New REP-100. Built and aligned to comm. specs. Active on 145.470 in Fall Creek. Includes controller, xtal oven, ID, autopatch, amplifier, 50 amp. supply, d.c. backup, duplexer, etc. All in Motorola 19" rack. Will sell with or without 66' free standing Rohm HBOX. Call Dave, K9VZV, (715) 832-6433.

Wisconsin Nets Association Ltd.

WISCONSIN NETS

Net	WNA	Freq.	UTC	CDT	Manager
BWN	Yes	3984	1100	0600	KC9CJ
BEN	Yes	3985	1700	1200	WA9W
WSBN	Yes	3985	2230	1730	K9UTQ
WNN	Yes	3723	2300	1800	KA9FVX
WSSN	Yes	3645	2330	1830	N9BDL
WIN/E	Yes	3662	0000	1900	WB9ICH
WIN/L	Yes	3662	0300	2200	W9NGP
NWTN	Yes	34/94	2330	1830	NS9Q
6:30 Net	No	01/61	2330	1830	KA9OMC
Gr Bay	No	72/12	0145	2045	WB9NRK
			Thu	Wed	
RACES	No	3993.5	1715	1215	WC9AAG
			USB Tue and Thu		
RACES	No	3993.5	1300	0800	WA9OAY
			LSB Sunday		

Section Manager's

notes

Richard R. Regent, K9GDF
5003 South 26th Street
Milwaukee, WI 53221



Congratulations to W9LZQ, new West Central District Emergency Coordinator, and to NKØL, new East Central DEC.

New officers of Tri-County ARC are Pres. N9FIB, V. Pres. WA9VYL, Treas. N9DEC, and Sec. N9EOZ.

Northeast Wisconsin Radio League has new controller for their 147.27 MHz repeater.

June 2nd, the Wisconsin Chapter 55 of QCWA meets for a delicious dinner, delightful meeting, and interesting auction at the Fond du Lac Club; social hour begins at 11:00 a.m.; guests and visitors are welcome.

June 6th, Milwaukee RAC exams beginning at 7:00 p.m. in the Wauwatosa East High School, contact W9JK or KE9JJ.

Ozaukee RC is having a special event station, with call sign W9CQO, June 9 and 10 at Stony Hill School, in Ozaukee County, birthplace of flag day.

June 17th, Central Wisconsin RA will hold swapfest at U.W. Center in Stevens Point, with exams available with Wisconsin Nets Association meeting in afternoon.

June 23rd, Milwaukee ARES will be providing communications for City of Festivals Parade, with theme "Let's be Kids Again," and Mr. Rogers as Parade Marshall.

One June 23rd and 24th, earn 100' bonus Field Day points for sending a proper message to me or Section Emergency Coordinator W9ZAG.

June 14th, the Milwaukee RAC will hold a Spring Get-Together at Tanner Paull Restaurant in West Allis.

Sheboygan County ARC selected W9-VCL as Ham of the Year.

Tri-County ARC thinking about holding a Fallfest in September at Blackhawk Technical School.

Sorry to report Silent Keys KB9ABP and W9CXY. W9CXY (Jim Law) passed away on March 28, after a battle with cancer. He had been at the St. Joseph's Home, 9244 29th Avenue, Kenosha, WI 53140. Jim was 84 years old on March 12. (See separate story about W9CXY elsewhere in this issue of Badger State Smoke Signals.)

WISCONSIN NOVICE NET (WNN)

Adrian Apple, KA9FVX, Net Manager
Box 634, Maple Drive
Poplar, WI 54864

The Novice net is alive and doing fine. We could use more checkins, and more stations as net controls. The net meets daily on 3.723 at 6 p.m. local time. I hope to see you on the net.

73, Adrian, KA9FVX

GLASS ARM REPORT (Wisconsin Slow Speed Net)

Lee G. Andreas, N9BDL,
Net Manager
Rte. 1, 7600 Highway D East
Lake Tomahawk, WI 54539-9500

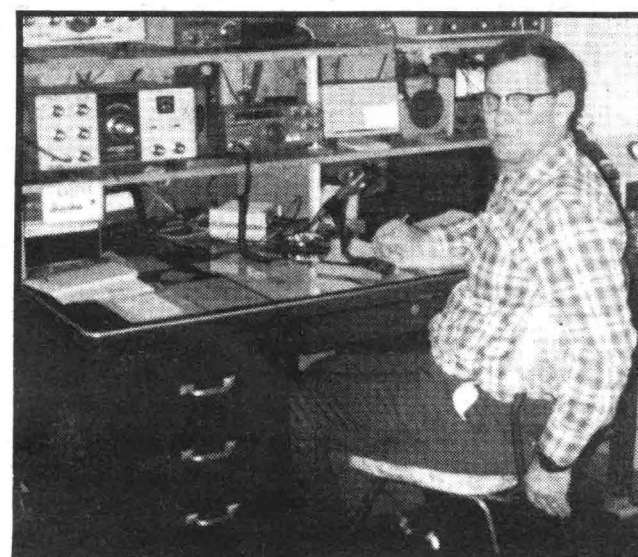
Another not-too-exciting quarter on WSSN is history. The first quarter of 1990 didn't set any records for traffic handling. In fact, if it were not for the 44 pieces handled in January, it would have been a disaster. The quarterly totals are:

Checkins: 858,
Traffic cleared: 93,
Time: 22 hours, 55 minutes.

A much more interesting statistic is a look at those who checked into the net. The co-leaders for the quarter were Dwight, AG9G, and Arny, W9KCN, each with 73. The others, in descending order, are: Adrian, KA9FVX, 57; Paul, N9FVN, 51; Ade, K9DHR, 49; Sir Slim, W9NGP, 44; Don, K9KSA, 33; and Tommy, KE9RV, 29. We also had a frequent visitor from Michigan's Upper Peninsula, Don, WD8KQF, with 19 checkins.

In looking over the above list, it will be noted that Don Stenz, K9KSA, from Brookfield, had 30 or more checkins during the three-month period; therefore, Don is the newest certificated member of WSSN. Congratulations, Don, and thank you for supporting the net. It should also be noted that Don was the first net manager of WSSN, so welcome back.

You, too, can become a member of the net, and receive a certificate to hang on your wall with those rare QSL cards. All it takes is 30 checkins in a three-month period.



Adrian Apple, KA9FVX, above, is the manager of the Wisconsin Novice Net. He was first licensed as a Radio Amateur in 1979. He enjoys working CW and handling traffic. The primary rig at KA9FVX is a Kenwood TS-430, with a Heathkit HW-101 as a back-up. Adrian's antennas are dipoles.

Overheard on the nets. On St. Patrick's Day, Mike, KN9P, asked the net what every good Irishman should be putting out in the backyard that day. Answer: patio furniture (Paddy O'Furniture?). Oh, Brother!

During one of the many slow evenings on WSSN, Paul, N9FVN, remarked that some of his neighbors were sowing oats that afternoon. Since this was a Tuesday, I got to thinking about how things have changed. In my youth, oats were sowed only on Saturday night, followed by a visit to church on Sunday morning for prayers of crop failure. Remember, these little gems can be found only on the nets affiliated with the Wisconsin Nets Association Ltd. Join in and become educated.

See you in three months in these pages, or at the WNA June meeting in Stevens Point at the Swapfest, to be held Saturday, June 17.

73, Lee, N9BDL, NM

WISCONSIN INTRASTATE NET/EARLY (WIN/E)

Larry Guthu, WB9ICH, Net Manager
706 West Jennings
New London, WI 54961

Well, here it is time again to write some more words of wisdom for my favorite group, so let's get right into it.

So far, 1990 has not shown any big improvement over the same quarter in 1989; as a matter of fact, March of this year has been our worst month for traffic. I don't know why but, looking at the checkins vs. traffic offered, we have taken the usual dip as we head into spring. But, when you see the traffic offered vs. traffic cleared, WOW, what a drop. I think it

(Please turn to page 15)



HERE and THERE

HELP NEEDED! The 2nd annual Wisconsin Statewide Augmentive/Alternative Communication Conference will be May 4 and 5, 1990, at the Holiday Inn Holidome Convention Center in Stevens Point, Wisconsin. Hosted by the C.E.S.A. #11 A/AC Project under a DPI Dual-Sensory Impaired Education Sub-Contract, the project is directed by Debbie King (N9GLG). Her husband, Tom King, WF9I, will present one of the many forums. Under these projects, people with communication disorders are helped to find and learn other ways to communicate with other people; computers are being increasingly used. Debbie and Tom need volunteers to help man a Handi-Ham/ARRL booth, run a Handi-Ham video, and talk about ham radio to interested people. If you can lend them a hand, please contact Debra King, Project Director, P.O. Box 246, Elmwood, WI 54740, telephone (715) 639-4201 or (715) 839-6138.

:-----:

THEY'LL HAVE YOUR NUMBER! Mike Schoenfuss, N9GHZ, Wausau, passed along the following item from 73 Ham Radio, and suggested it would be worthwhile to publish it here. We agree:

"Ever make an autopatch to a law enforcement number? After you pass your traffic, they ask your name, address, and telephone number. Quite often, we do not want to give that information over the air. Not doing so, however, may cast suspicion on the credibility of your information.

"The way around this? Give them just your driver's license number! When the dispatcher asks, just say 'Please copy my (state) DL number XXXXX.' It's a good idea to write this down on your emergency autodial number card, for instant access."

(Mike is a dispatcher for the Marathon County Sheriff's Department.)



THE GUYS TELL ME I'M ALWAYS CLOWNING AROUND ON THE BANDS!



ABOVE, Joe Androfski, K9OMF, Waunakee, enjoys a chat with Joyce (left) and Cliff Lawson, W9ZI. This photo was taken at the Madison Area Repeater Association Christmas Party in December, 1989.

:-----:

HAVING JUST TYPED Ed Riče's article about call signs in which the suffixes form words or certain letter groups with meanings ("No Bugs in Three-Land," page 9 of this issue), and having been a plate-watcher for many years, I was amused to see a ham plate on a vehicle parking next to me at the MARA Swapfest April 8. The plate was KB9BUM. Mike Schoenfuss, N9GHZ, emerged from the passenger side. When I commented on the plate, Mike advised me that "BUM" is a Marathon County Sheriff's Deputy.

- K9ZZ

:-----:

ARRL COMMENTS IN PR DOCKET 89-552: The American Radio Relay League filed its comments on March 15 in FCC's proposal to amend Part 90 of the Commission's rules. The FCC, in a notice of proposed rule making dated November 28, is seeking to establish service rules for use of the 220-222 MHz band by private land mobile services.

In its comments, the League said that

the proceeding to reallocate the 220-222 MHz by FCC in Docket 87-17 is not final, as the Commission's decision was appealed (by ARRL) to the United States Court of Appeals for the District of Columbia Circuit. ARRL feels that no action should be taken in this proceeding until such time as the Commission's reallocation orders may be affirmed on appeal, and any and all further judicial appeals are exhausted.

- The ARRL Letter

Newsline - Help Save It!

Immediate help is needed to keep the Amateur Radio Newsline in operation. Newsline - the former Westlink Radio Network - must raise about \$11,000 to pay off bills that accrued as the result of its being named a co-defendant by the apparently now-defunct 220 MHz Frequency Coordination Commission of Southern California in its libel/slander action against the still viable 220 MHz Spectrum Management Association of Southern California. While the case was eventually dismissed, Newsline (then Westlink Radio) was forced to hire a law firm to defend it against the unfounded charges brought by the 220-FCC. Since the dismissal order contained a "without prejudice" clause, there is no way for Newsline or any of the other defendants to ever recoup their losses.

Initial funding for Newsline's defense came from a bank loan, with additional resources coming from Network Director Bill Pasternak, WA6ITF, and a "Westlink Radio Network Legal Defense Fund", set up by Ham Radio Magazine Associate Editor Joe Schroeder, W9JUV. Between Bill's contribution and that collected by the defense fund, about \$6,000 of the original \$17,000 in legal and clerical expenses has been paid. The balance owed to the lending institution and the lawyers that defended Newsline / Westlink Radio is now due. If enough in funding cannot be obtained by approximately May 16, Newsline will have no recourse other than to dissolve its

(Continued on page 6)

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Curbing VCR Interference

By John W. Frank, WB9TQG
P.O. Box 5113
Madison, WI 53705

Grandpa didn't have to deal with interference to his hand-cranked Victrola. But, most of his descendants own home entertainment devices which are susceptible to interference. Over the years, we've had to deal with TVI, BCI, RFI, and now VCRI (video cassette recorder interference). Before describing the causes and cures relating to VCRI, it is important to explain a bit about how VCRs work, and why they can be victims of interference.

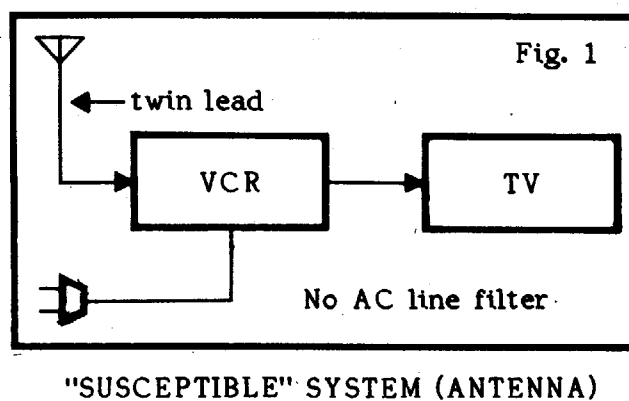
Audio tape recording covers the frequency range of approximately 20 Hz to 20,000 Hz. This represents a range of about 10 octaves, and it is possible to use equalization techniques that will provide good frequency response. Video frequencies cover the range of about 30 Hz to 4.5 MHz. This represents between 17 and 18 octaves. Although professional quality test equipment can cover these frequencies (and beyond), the circuitry needed to obtain this frequency response might be prohibitively expensive in a piece of home entertainment equipment.

The solution to this dilemma might seem like technological overkill, but it works. By frequency modulating a sine wave with the video signal, the frequency range being recorded will cover fewer octaves, even though it is higher in frequency. For example, if the video is frequency modulated onto an RF carrier, and the FM signal occupies the range of 3 MHz to 8 MHz, that signal represents less than 2 octaves. Building circuitry to cover that bandwidth - with good frequency response - is relatively simple. However, a new potential problem has been created. The range of 3 MHz to 8 MHz contains two Ham bands, so unwanted Ham signals may interfere with the video recording and playback processes. Although the frequencies in use may vary from recorder to recorder, all home entertainment VCRs use some form of FM video system.

In spite of the VCR's susceptibility to interference, they can be "RF-proofed" by using a common sense approach and some readily available filter components. As a rule, there are three ways an offending signal can enter a VCR:

1. Through the antenna system,
2. Through the AC line cord, and
3. Through direct penetration of the VCR cabinet.

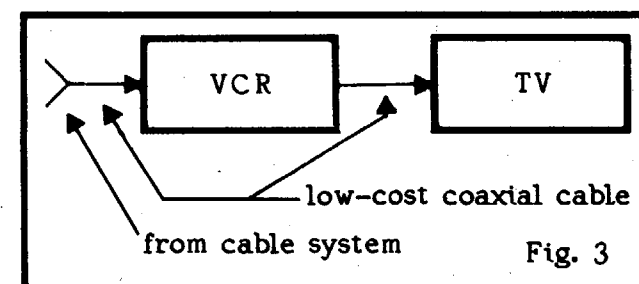
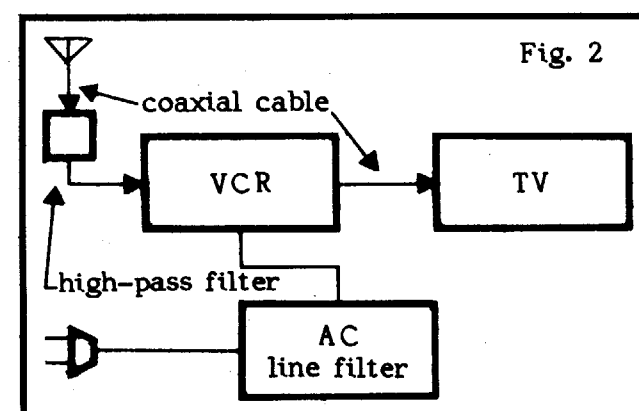
Interference entering the VCR through the antenna system can often be controlled by using good quality coaxial cable, instead of twinlead between the TV antenna and the VCR. A high pass filter, installed at the input to the VCR, can also help reduce or eliminate the interference.



If the interference is getting into the VCR via the AC line cord, there are a number of filters on the market which can be used to suppress the unwanted signal. The ARRL Radio Amateur's Handbook has a chapter devoted to interference, and includes information on building a "brute force" AC line filter.

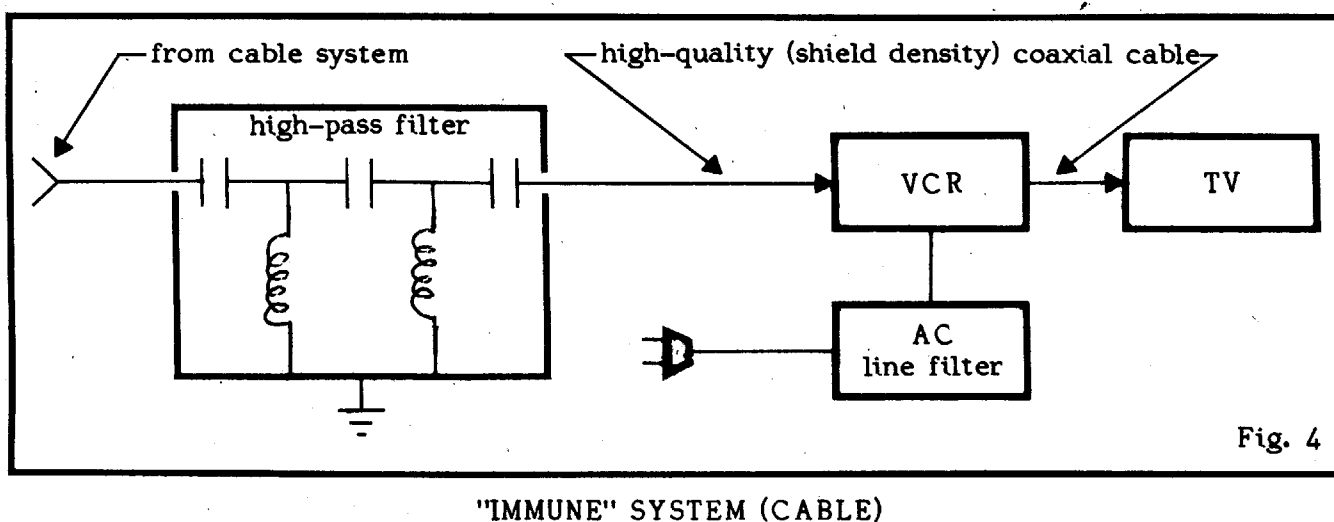
Direct penetration of the VCR cabinet by offending signals is not as much of a problem as many people might think. I recently visited two appliance stores, and found that every VCR I examined had a metal cabinet. I'll admit that some of them looked like plastic or wood. However, under a layer of wood grained vinyl or grey plastic coating, all the cabinets were metal.

Getting back to common sense for the moment, transmitter power and antenna location can also affect VCRI. Using a



transceiver barefoot might not cause any interference, while using a QRO amplifier might. Mounting your TV antenna only a few feet away from your ham antennas will probably contribute to VCRI.

Figures 1 through 4 illustrate susceptible and immune VCR connections.



Newsline - Help Save It!

(Continued from page 5)

network and sell assets to attempt partial payment of its debt.

Joe Schroeder informs us that the Newsline / Westlink Radio Network Legal Defense Fund will remain open as long as contributions are forthcoming. He says that

some money has come in following the announcement of Newsline's plight in a recent issue of Westlink Report. However, the amount donated so far is nowhere near the minimum amount needed to satisfy creditors. Schroeder has agreed to keep the fund going as long as donations continue to arrive. Please make donations payable to the Westlink Radio Network Legal Defense Fund - Newsline, P.O. Box 406, Glenview, IL 60025.

- Westlink Report
04/13/90

What Ought Frequency Coordination Really Be?

All I have to do is dole out frequencies as they come in and 'stick to the bandplan!'. That is what I was told as my arm was twisted to encourage me to accept this Frequency Coordinator's position with the Wisconsin Association of Repeaters, back in 1984. All this 'sticking to the bandplan' stuff is well and good where there are frequencies that can be coordinated to someone. In the Milwaukee/Chicago corridor, there doesn't seem to be any frequencies available. I sincerely am searching for a good solution. Jay Finn, IL Coordinator, and Walt Breining, IN Coordinator, and others need a good solution as well. Jay, Walt and I have been shaving edges off and short spacing selected systems just to maintain the coordination system. There is absolutely no clear cut frequency available on 2 Meters, and very few on 220 or 440 MHz. in this entire area.

On many, many occasions, I've heard "I never hear anything on that frequency!", or, "That system isn't ever going to be built!", or other such comments. I show literally dozens of frequencies coordinated to the Milwaukee and suburban area, and yet, only nine or ten are really very active. Why are the others not active? Some are possibly used for the convenience of two or three operators to operate an autopatch, coordinate DX frequencies, or for some other closed loop purpose. Outsiders are generally excluded (probably no one 'inside' will talk to them), and the repeater, while probably of decent construction, representing a significant investment by an individual or group, stands there as a tribute of achievement to the builder.

We lament the lack of interest in our hobby, and turn away many who, like those who have gone before, desire the opportunity to build their monument to Amateur Radio. New, eager, younger in spirit, these newcomers, who bucked the trend and actually prepared for Amateur Radio, tested and achieved their call and now wish to join our society, find the hierarchy of this hobby has blocked and divided it up into sacrosanct portions so restrictive that if, heaven forbid, they wish to build a repeater, they're told 'No, nothing's available'. W.A.R.'s rules are restrictive in an effort to protect you and your repeater. So are MACC's rules. These same rules are preventing some people from enjoying their hobby in the same manner as those who came before.

Is it time for a change in these rules? The FCC rules DO NOT FULLY SUPPORT the position these rules attempt to adhere to. If Johnny Newcomer wishes to put up a repeater, HE CAN! If I cannot recommend a frequency, HE WILL PICK ONE! HE HAS DONE JUST THAT! If he causes interference, he is responsible, and the FCC recourse for the coordinated repeater is in a Court of Law! The FCC will not be both-

ered with this, of course. It's the coordinated repeater operator who must go to court, where he could spend a lot of money to win or lose. All I need do as Coordinator is say "Sorry!".

One thing that I have tried to do as coordinator is to attempt to apply common sense to these rules, to provide the maximum opportunity for interested people to operate a repeater. I guess that I have splashed the rain barrel a little to make more room, but it's really full now! We must do something different than in the past because what we did in the past no longer works.

In the past year, I have seen at least one dozen repeaters put together without coordination. The growing attitude seems to be 'I have just as much right as anyone else to operate a repeater!'. We attempt to set rules to provide proper coordination, and require coordination. We tout coordination as the only way to operate a repeater. Yes, the FCC rules favor a coordinated repeater, and without coordination, I fear there will be chaos in a short time. However, these operators are making a statement. They are telling this, and other, coordinating bodies that something is wrong.

Our rules and spacings are far more stringent than those used on the East Coast. There, frequencies are doled out on a 'least use' principle. That is, repeaters that do not show much activity will find someone else nearby on the same frequency, with a different PL. W.A.R.'s and MACC's rules would have swamped coordination there a long time ago. I'm afraid these rules will upset coordination in the Chicago/Milwaukee corridor before much longer. Jay, Walt and I can find no more frequencies for those who apply. The general feeling of some is 'If you cannot find a frequency, I'm going to put one up where I think one can operate in spite of your separation and spacing rules!' How much longer will it be before the growing menace of new, uncoordinated repeaters tells former coordination supporters that we are no longer effective!

Coordination has always been voluntary in Amateur Radio. Our support to do all this is from voluntary donations, from those we have coordinated. This organization, like others in all walks of life, is in danger of losing its backing if it cannot be effective. Where will your investment in an Amateur Radio Repeater be then? Only organizations that can be flexible, and provide updated services, ultimately prosper. We can't let coordination become a 'closed loop' like some of the repeaters we attempt to protect. It's time to seriously reconsider the present spacings and separations. We must be able to provide a reasonable alternative to forcing otherwise very fine people, to fight this organi-

Northern Wisconsin Radio Club

—Since 1923—

Steve Kraft, KE9RW
Secretary
Rt. 7, Box 62
Menomonie, WI. 54751

The last meeting of the NWRC was called to order by President Steve, KA9-OMC, at 7:30 p.m., March 27, 1990, in the back room of the Peppermill Restaurant in the Thunderbird Mall, Menomonie. He reported on the NWRC auction, which was in February. Jim, NX9F, gave the treasurer's report; the present balance is \$337.17.

The NWRC Field Day will be held at the airport at the junction of Highways 79 and 12. We may have a picnic Friday night.

A SkyWarn class will be held April 21 from 9:00 to 1:30 at the American Legion Hall in Baldwin, Wisconsin.

A Quarter Century Wireless Association (QCWA) chapter may be started in northwestern Wisconsin. If you are interested, contact Bill, W9NNS, at (715) 723-4088, or see him at his table at the Eau Claire Hamfest in July.

A packet radio node will be operational in Rice Lake soon, and future plans call for a 100-foot tower.

Our congratulations go to everyone who passed at the ARRL/VEC exams on ~~March 31 in the Credit Union Building in Menomonie.~~

Our thanks to Ernie, W0LUY, and his wife, Delores, for our March meeting's program. They gave a slide presentation on the Bluebird Restoration Association (BRAW). We were informed of the condition of the Wisconsin bluebirds.

The next NWRC meeting will be April 24 at the Peppermill Restaurant, Menomonie. Marlin, WJ9Y, will give us a laser technology presentation. This will be our last formal meeting until September 25, when we will nominate club officers. The September meeting may be held in the Menomonie High School, where the MHS ARC packet station will be used for a demonstration of local packet activity. The October 23 meeting will include the election of NWRC officers.

The meeting adjourned at about 8:35.

Steve Kraft, KE9RW
Secretary

zation, just to operate a repeater.

Please let me know what your ideas are, and I will attempt to present them to the coordinating groups that W.A.R works with.

Sincerely,

Nels Harvey, WA9JOB
Frequency Coordinator,
Wisconsin Association of Repeaters
P. O. Box 23166
Milwaukee, WI 53223

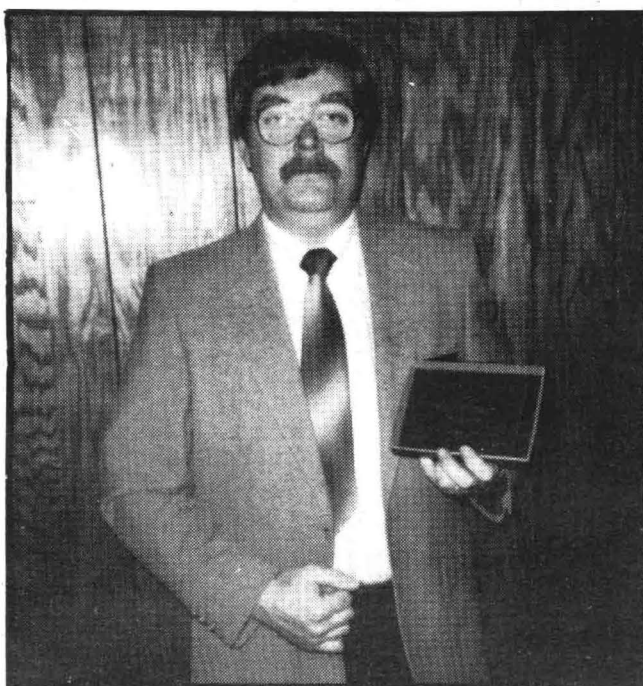
Green Bay Mike and Key Club Honors Members

The Green Bay Mike and Key Club held its annual Awards Banquet at the Rock Garden Supper Club on Saturday, March 24. The oldest member in attendance, Orin Thompson, W9KIZ, said grace before we sat down to the family style chicken and tenderloin tips dinner with all the trimmings. The meal was followed by a short awards presentation.

The Utterly Late Award went to Gregg Seidl, KA9LOE, for never seeing how a meeting started last year.

The Digg'in Award went to Al Janelle, KA9AIV, for his efforts with the newsletter, bylaws, and various club projects.

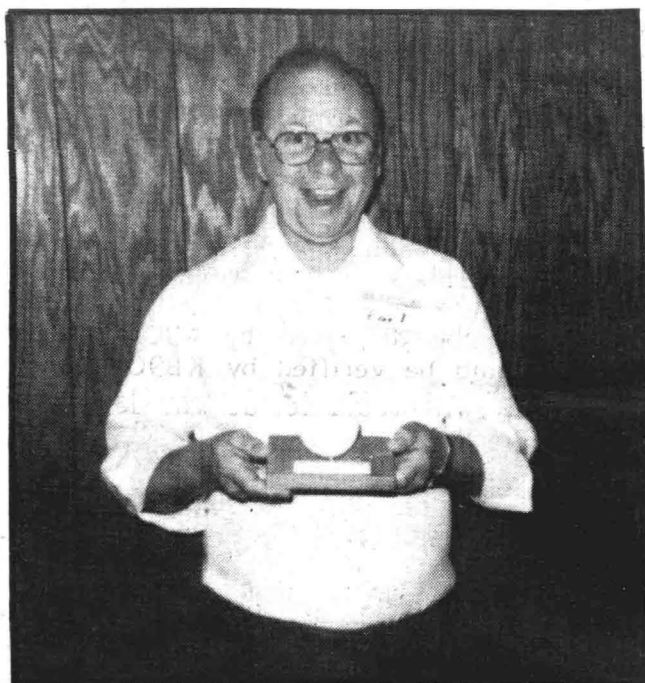
The Rookie of the Year went to Earl



HAM OF THE YEAR
Pat Bryhan, KA9VRK

The Hide and Seek Award was presented to Bob Treleven, K9VCN, for his engineering skills and dedication in perfecting the machine responsible for a record-breaking time of seven minutes in finding the "fox" in our illustrious fox hunt.

The last presentation was for the Ham of the Year. This year's honor was presented to Pat Bryhan, KA9VRK. Pat's outstanding efforts for advancement of Amateur Radio include fund raising, tower work, repeater work, paperwork, handling the position of treasurer, public awareness through demonstrations, composing a hand-out for people interested in Amateur Radio, and always being there to help out. Congratulations, Pat!



ROOKIE OF THE YEAR AWARD
Earl Andre, KB9DSV

Andre, KB9DSV, for his "jump in and help out" attitude.

The Presidential Survivorship Award was given to Robert Heiser, WA9SWX, for his ability to control and cope with our rag-tag bunch of renegade Amateur Radio operators.

The Net Controller Award went to Dale Johnson, WB9NRK, for his dedication and perseverance in conducting the Wednesday evening two-meter net.

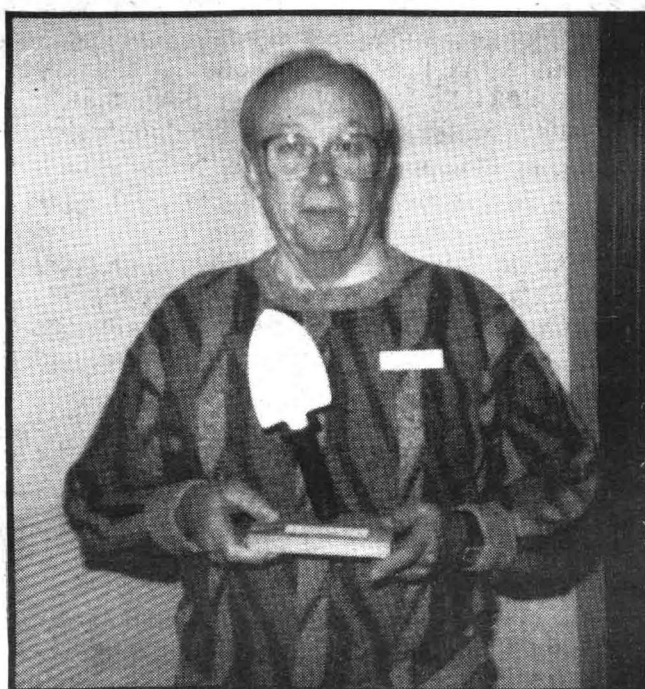
The Citizenship Award was given to Harry Goodwin, N9GQK, for his letter to the editor of the Green Bay Press Gazette, depicting the life, glory, dismay, and future of the American flag.



CITIZENSHIP AWARD
Harry Goodwin, N9GQK



UTTERLY LATE AWARD
Gregg Seidl, KA9LOE



DIGG'IN AWARD
Al Janelle, KA9AIV



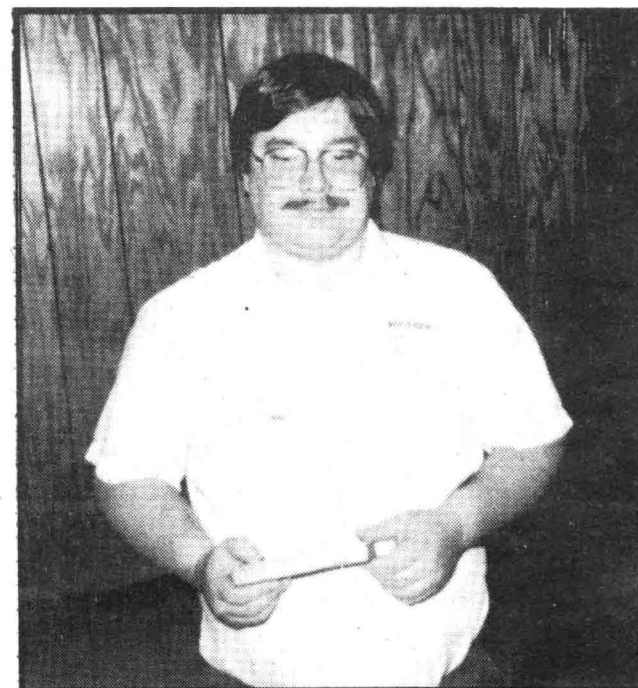
PRESIDENTIAL SURVIVORSHIP AWARD
Robert Heiser, WA9SWX



HIDE AND SEEK AWARD
Bob Treleven, K9VCN

The last award of the evening was presented to the club membership. A plaque, which holds the name of the Ham of the Year and space for the names for the next 11 years. This will be on display in a prominent place in the Club Room.

With the award presentation concluded, most people adjourned to the bar for coffee and after-dinner amenities and good fellowship. A special "thanks" to all who participated and helped to make the evening one to remember.



NET CONTROLLER AWARD
Dale Johnson, WB9NRK

"Atlas" Conviction

Michael Harrison, WB2PTI, of Ocean-side, New York, has been convicted of five counts of mail fraud. Harrison pleaded guilty to the five counts in a bizarre case that began back in 1988, when ads began appearing in *73 Magazine* for a company called Atlas Radio. As long-time hams are aware, Atlas was among the first to manufacture solid state ham gear, but dropped out of the amateur market a decade ago.

But the ads claimed that the new Atlas Radio was the same old company, and offered Uniden 10 meter transceivers at a relatively low price. The problem was that few, if any, of the radios were ever delivered.

The old Atlas and the new Atlas were not the same company, and last August 28th a federal grand jury returned a twelve page indictment against Harrison. Fifty of the counts charged him with knowingly and willfully devising a scheme to obtain money by means of false or fraudulent pretense and representations while using the United States mail.

Harrison was out on bond when he was re-arrested on February 14th for violating the terms of his bail. On February 26th, he pleaded guilty to the five counts and is now in jail awaiting sentencing. He faces the possibility of 25 years in jail and more than one million dollars in fines.

- Westlink Report

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No Bugs in Three-Land

READ ABOUT THIS RECENT
RESEARCH INTO THE 1990 CALLBOOK,
FROM AA1A TO KA0ZZZ

I recently got a new copy of the Callbook and, like everybody else, I immediately looked up my own call. While I was flipping pages, I noticed many calls that actually say something about their owners. For example, W5MAN really lets you know what he is. I don't know N9DAD, but his call could very easily be accurate.

However, some calls give a false impression of the owners. Calls like WB9PUP, N9CAT, and W8SOB surely don't describe the hams who use them. I know W9MOM does not refer to its owner. And W9KEN is not who his call says he is, but K9EN is really Ken, as everybody knows. I don't think K9VHF is very high, and K9DUE probably isn't. N9DAM doesn't really give one. You might get an honest report from KA9-RST, but N9ACT might put one on and try to be a W9FOX. WA9DWI never does that.

Other calls could generate confusion on the air, especially in contests. Think about W9CQ for instance, or W0000. Can you imagine a QSO between KB9IN and W9OUT, or W9UP and N9DWN, or K9IOU and N9IRS.

On page 1097, I spotted the call sign W9BUG. Now, like most hams, I have had some experience with bugs in my rigs, so I decided to see how many call areas have bugs. I found that there are bugs in all the call areas except the 3rd. I found N1BUG, K2BUG, K4BUG, W5BUG, W6BUG, N7BUG, K8BUG, W9BUG, and KA0BUG. But no W3-BUG, or any other kind of BUG from 3-land. I guess that bug was eliminated by somebody like W9FIX.

Since the ham bands are so full of call signs that say something, I wonder why

BSSS has not yet sponsored a contest, for Wisconsin stations only, to see who can work the most of these interesting calls. Extra points for counties worked can not be offered, of course, because this would give an advantage to K9MAP. The prize could be a new Kenwood TS950SD, as shown ultimately on the back cover of the Callbook, with or without WA9DSP. The prize could be delivered by N9COD. All entries would be verified by KB9OK, and finally, KA9WIN would decide who does it.

The KA9END.

- Ed Rice, W9NGP

Johnny Saver Seed

John Meyer, NZ9Z, and his wife Cindy, of Kellnersville, Wisconsin, have been part of the 400-member Seed Saver's Exchange in the United States for many years. John says, "Immigrants brought seeds to this country long ago and planted them. Seed savers have been planting the seeds, growing plants, and again saving the seeds ever since." So they preserved some of the non-hybrid varieties with seeds that can grow plants which produce vegetables similar to their 1890 plant relatives.

Seed savers John and Cindy grow a garden full of the original 75 varieties of potatoes and beans, and plant 20 kinds of old-style tomatoes. With luck and a green thumb, they soon enjoy mouth-watering vegetable flavors that were loved 100 years ago. It's also fun to plant seeds and watch their renewal of life.

Color photos showing John and Cindy displaying bushels of fresh produce with their garden appeared in the article "Wisconsin Heritage Gardeners" in the March/April, 1990, *Midwest Living* magazine. NZ9Z, who is an ARRL Official Relay Station, can be found on the 75-meter SSB nets, handling traffic, answering vegetable questions, and giving seed saver tips.

- Richard Regent, K9GDF

ARRL Seeks Federal Preemption

(Continued from front page)

inal and two copies should be filed by May 16, 1990, and addressed to Chief, Special Services Division, Federal Communications Commission, 2025 M Street, NW, Room 5322, Washington, DC 20554. Reply comments should be filed by May 31, 1990. All comments should refer to ARRL Declaratory Ruling Request.

Copies of the ARRL Request for Issuance of Declaratory Ruling may be obtained from the Regulatory Information Department at ARRL Headquarters, 225 Main Street, Newington, CT 06111.

Other documents filed in this matter may be obtained from the Commission's copy contractor, International Transcription Services, Inc., at 2100 M Street, NW, Suite 140, Washington, DC 20037.

- The ARRL Letter, 03/23/90

New Jersey Amateurs Support Receiver Reform Law

A New Jersey statute forbids carrying any "shortwave radio receiver operative on frequencies assigned by the (FCC for) governmental uses," in an automobile without a permit from the local police. This law dates from a time when police departments used shortwave channels for dispatching. It has been interpreted to ban the mobile use of most ham radio equipment in New Jersey.

Last spring, attorney Frank Terranella, N2IGO, and other New Jersey residents, drafted a bill to replace this burdensome receiver law. Its intent was to protect the content of monitored communications against misuse, without limiting the possession or use of radio receivers. The 1989 legislative session adjourned with no action taken on either the Assembly or the Senate versions of the bill.

A similar bill was introduced at the start of the State Senate's 1990 session. This time, the bill passed in committee, and was sent to the State Senate floor for consideration. It will soon be introduced in the State Assembly, and looks like it has a chance of being signed into law.

- The ARRL Letter, 03/23/90

FOR SALE: Spectrum Communications SCT-110 2-meter transmitter/exciter, 70W continuous output, fan cooled, crystal-controlled. All documents, original case, etc. Excellent audio, near mint condition. Original application was repeater xmtr; most recently backup xmtr. Asking \$250. Contact Dean Andrewjeski, AD9W, Pres., Rib Mtn. Rptr. Ass'n, 1204 11th St., Mosinee, WI 54455, (715) 693-6435.

FCC General Counsel Says Local Government RFI Regulations are Preempted

American Radio Relay League General Counsel Chris Imlay has received a letter from the FCC General Counsel verifying that interference matters have been preempted by the Federal Government. Counsel Imlay had requested an opinion in reference to an ordinance regulating radio frequency interference which had been adopted in Pierre, SD.

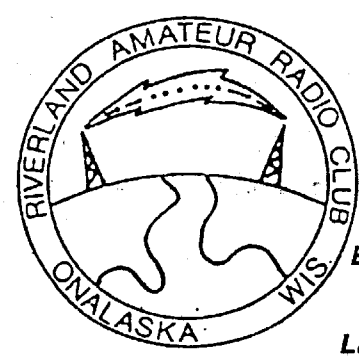
In part, the letter from Robert L. Pettit said, "Congress has preempted any concurrent state or local regulation of radio interference pursuant to the provisions of the Communications Act. See 47 USC Section 302(a). Section 302(a)(1) of the Act provides that the 'Commission may, consistent with the public interest, convenience, and necessity, make reasonable regulations (1) governing the interference potential of devices which in their operation are capable of emitting radio frequency energy by radiation, conduction, or other means in sufficient degree to cause harm-


ful interference to radio communications....' The legislative history of Section 302(a) provides explicitly that the Commission has exclusive authority to regulate radio frequency interference (RFI). In its Conference Report No. 97-765, Congress declared:

"The Conference Substitute is further intended to clarify the reservation of exclusive jurisdiction to the Federal Communications Commission over matters involving RFI. Such matters shall not be regulated by local or state law, nor shall radio transmitting be subject to local or state regulation as part of any effort to resolve an RFI complaint."

State laws that require amateurs to cease operations or incur penalties as a consequence of radio interference thus have been entirely preempted by Congress."

- The ARRL Letter, 03/23/90





Bill Wood, WB9VYI
Secretary
Route 1
LaCrosse, WI 54601

The regular monthly meeting of the Riverland Amateur Radio Club was called to order by our vice president, Charlie Burch, KA9UUK, at 7:30 p.m. at the Onalaska Civic Center.

The vice president distributed a proposed roster, and asked that they be returned with corrections and comments.

In the absence of the secretary, the minutes were read by the treasurer, and were approved as read.

The treasurer's report was read and approved. The treasurer moved that all but \$300.00 be transferred from the checking to the savings account, where it would draw interest. No second. Rather, it was suggested that the treasurer investigate options, and report at the next meeting.

The vice president announced changes in the repeater controller committee. They are Tom, KB9BIS; Larry, N9JFI; and Dan, WCØV.

The vice president explained the composition of and the task of the club's executive committee, which will meet the Saturday before the general meeting. Members are welcome.

(Please turn to page 16)

Eau Claire Amateur Radio Club

Carl Searing, W9NW
Secretary
1129 McKinley Road
Eau Claire, WI. 54703

MEETING OF APRIL 10, 1990

The meeting was opened by Vice President Gerry Marx, NG9A, in the absence of President Bill Jablonske, W9NNS. The minutes of the March meeting were read and approved, as was the treasurer's report.

K9UXP read a letter received from the ARRL, indicating that our July hamfest is now ARRL-approved.

KB9R reported that his 440 repeater is percolating along nicely, and has an increasing number of users.

Club assistance with "World Day" observances at a local high school on April 25 was discussed.

Plans for the hamfest were commented upon. Everything seems to be on track. There are many vendor inquiries. We will have two buildings this year at the Fair Grounds for the first time.

The program was on the subject of tornado spotting guidelines, with excerpts of videos shown, and a discussion led by Bert Spangler, W9ZZI.

The next month's program should be Jim Rassbach on cellular 'phones.

An appeal was made for participants in a work party to complete the club trailer so that it's ready for Field Day.

May lunch committee: W9NW, W9NNS, and K9UXP.

Respectfully submitted,
Carl Searing, W9NW, Secretary

Morse Telegraph Club Special Event Station

On May 26 and 27, 1990, members of the "MW" (Milwaukee-Madison) Chapter of the Morse Telegraph Club will again be operating special event station AD9E in North Freedom, Wisconsin. This will be the fourth year the chapter has operated the station, and will commemorate the 146th anniversary of Samuel F.B. Morse's first telegraph message, "What Hath God Wrought." That message was sent on May

14, 1844, from Washington, D.C. to Baltimore, Maryland.

AD9E will operate CW only from 10 a.m. to 6 p.m. CDT. The station will be located in an RV trailer, across the railroad tracks just west of the Mid Continent Railroad Museum.

The frequencies of operation will be 7044 KHz, 7144 KHz, 10.117 MHz, and 21.073 MHz. We plan to have two transceivers, and we would appreciate and welcome anyone who would like to handle the key for a while.

Those who work AD9E should QSL to R.L. King, KA9GNY, 411 Lynn Avenue, Baraboo, WI 53913.

73, and we hope you work us. We have a very special QSL card for this event.

- Bob King, KA9GNY

Field Day AntennaPacks

EmergencyPacks contain QRV All Band kink-proof wx-sealed multi-band Dipole-V-Sloper antenna. 70' coax feedline. Quick Launch system, rotproof dacron support braid. 40 p Tech Manual. Complete. Ready for Action. One person installs in 15 minutes. Infopack S1

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Wisconsin Repeater Directory

Courtesy of Wisconsin Association of Repeaters

The WISCONSIN ASSOCIATION OF REPEATERS is an organization of trustees and representatives of repeaters, state-wide, whose goal is mutual cooperation on the VHF UHF spectrum, in the spirit of Amateur Radio.

GENERAL FREQUENCY COORDINATION POLICIES

1. We attempt to place no two repeaters on the same pair closer than 120 miles.
2. We attempt to place no repeater on a 15 kHz split pair closer than 40 miles to any adjacent 30 kHz standard spacing machine.
3. We not only assist proposed repeaters in finding a frequency where possible, but we actively attempt to protect existing repeaters' frequencies from interference whenever possible.
4. W.A.R. has suggested band plans for most of the FM spectrum, a subaudible tone plan for the State of Wisconsin and all necessary information for coordination of new or modifications to existing repeaters. Contact the Frequency Coordinator.

Nels Harvey, WA9JOB
Wisconsin Association of Repeaters
P.O. Box 23166
Milwaukee, WI 53223

O	Carrier Access	B	Burst
PL	Sub-Audible Continuous Tone	T	Touch-Tone
W	Whistle	C	Closed Private Repeater
A	Autopatch	(CA)	Closed Private Autopatch
E	Emergency Power	L	Link and/or Crossband
P	Portable	R	RACES Affiliated
Y	RTTY/ASCII	Z	Autopatch to Law Enforcement
PAC	Packet Data Exchange	X	Wide Area Coverage

Wisconsin Sub-Audible Tone Plan By Region

North Central - 2A	North East - 1B	North West - 2Z
South Central - 3Z	South East - 3A	South West - 3B

Standard Inputs Unless Otherwise Noted
-600 KHz. below 147.00 MHz, +600 KHz. TO 148.00 MHz.
-1.6 MHz. for 220 MHz, and + 5 MHz. for 440 MHz.
421.25 MHz. TV Video + 18 MHz. 425.75 MHz. TV Aural, + 9 MHz.

Location	Rg	Output	Call	Access	Sponsor
APPLETON	NE	145.150	K9DHR/R	O CA E Z	C L RPT G
APPLETON	NE	145.210	KB9IE/R	O PL	P GRNT RA
APPLETON	NE	145.330	WB9ANR/R	O PL 107.2	* F V VHF A
APPLETON	NE	146.760	K90QO/R	O	F V VHF A
APPLETON	NE	224.500	KB9IE/R	O A L	KB9IE
APPLETON	NE	443.025	WB9IYV/R	C	WB9IYV
APPLETON	NE	443.650	W9DKY/R	O	W9DKY
BALDWIN	NW	145.130	K9HQC/R	O Z	ST.CR CD
BALDWIN	NW	147.330	K9HQC/R	O	ST.CR RA
BARABOO	SC	146.880	WA9WVE/R	O E X	C W R A
BAYFIELD	NW	146.610	W9BCY/R	O	NLAND ARC
BELOIT	SC	146.670	WA9JTX/R	O E R	* BELOIT AR
BELOIT	SC	224.300	WB9UBM/R	O A Z	C.B.S.RG
BERLIN	SC	443.850	N9A0Z/R	O A	N9A0Z
BURLINGTON	SE	146.745	WD9IGV/R	O	H L H R G
BURLINGTON	SE	224.060	N9BBQ/R	O PL A E	P SE WI ERS
CEDARBURG	SE	224.180	W9CQO/R	O	O.R.C.
CEDARBURG	SE	443.225	WD9DH1/R	O PL114.8	* W E R A
CHIP'WA FALLS	NW	146.880	WA9PAM/R	O	WA9PAM
CHIP'WA FALLS	NW	444.350	WA9PAM/R	O O Z	WA9PAM
COLGATE	SE	444.725	NY9Y/R	O	NY9Y
CRIVITZ	NC	145.470	KA9YQJ/R	O PL2A CA	KA9YQJ
CUDAHY	SE	29.680	N9BBG/R	O PL3A	W E R A

Location	Rg	Standard Inputs	Unless Otherwise Noted	Sponsor
DELAFIELD	SE	146.820 W900W/R	O CA E X	* SEWFARS
DELAFIELD	SE	444.125 WB9WHG/R	O E PL2A	SEWFARS
DEPERE	NE	443.750 KE9LZ/R	O	N9EPC
DORCHESTER	NC	145.270 WA9ZCO/R	O A E Z	WA9ZCO
EAGLE RIVER	NC	145.390 KD9PT/R	O	* KD9PT
EAU CLAIRE	NW	146.910 K9UXP/R	O A E X	E C ARC
EAU CLAIRE	NW	147.240 KA9ELD/R	O CA E	E C ARC
EAU CLAIRE	NW	443.300 KB9R	O	* KB9R/R
ELKHART LAKE	SE	444.100 KD9TZ/R	O PL 107.2	* KD9TZ
ELKHORN	SE	146.865 WA9AJW/R	O	W CO ARES
ETTRICK	SW	146.700 WA9HCZ/R	RTTY	WA9HCZ
FALL CREEK	NW	145.470 K9ZVZ/R	O A	K9ZVZ
FOND DU LAC	NE	147.090 WD9ESH/R	O A E	* FOND ARC
FOND DU LAC	NE	223.740 WA4COY/R	O B CA	WA4COY
FOND DU LAC	NE	444.150 WA4COY/R	O B A PL1B	WA4COY
FORT ATKINSON	SC	224.420 N9DTT/R	PL	* N9DTT
FRANKLIN	SE	444.625 K9WQG/R	PL 2A	K9WQG
FREEDOM	NE	224.220 AA9A/R	O	AA9A
FREMONT	NC	147.015 N9AOT/R	O TT CA L 29.600	* N9AOT
GERMANTOWN	SE	147.045 WB9EFP/R	C CA	WB9EFP
GREEN BAY	NE	147.120 K9GB/R	O A E Z	* G B M&K
GREEN BAY	NE	147.270 KE9LZ/R	OPL1B CA E	N WRL
GREEN BAY	NE	147.360 K9EAM/R	O A E Z	* GB M&C
GREEN BAY	NE	223.940 WA9SXN/R	C	WA9SXN
GREEN BAY	NE	224.140 KZ90/R	O A E L	G B R USR
GREEN BAY	NE	443.500 WA9SWX/R	O A E Z	* GB M&K
GREEN BAY	NE	444.200 WB9VJV/A	C	WB9VJV
GREEN LAKE	SC	146.955 KB9WC/R	O	P G. FOX ARC
GREEN LAKE	SC	444.400 KB9WC/R	O	G FOX ARC
GREENDALE	SE	442.150 KD9Y/R	O	K.R.G.
GREENFIELD	SE	52.880 WB9WKR/R	O	GF'LD 6RS
HAYWARD	NK	147.255 KB9D/R	O	P B9D/R
HAYWARD	NW	444.850 N9EGE/R	O	* N9EGE
HELENVILLE	SC	443.825 N9FIB/R	O	N9FIB
HERTEL	NW	147.300 WB9RAY/R	O A	* B.A.R.S.
HERTEL	NW	224.500 WB9RAY/R	O A	* B.A.R.S.
HERTEL	NW	443.500 WB9RAY/R	O A	* B.A.R.S.
HILLSBORO	SW	145.370 KA9WNX/R	O	* KA9WNX
HIXTON	SW	146.940 KC9YE	O	* T-J RA
HUBERTUS	SE	145.250 KA9HLP/R	O	A.R.E.S.
IRMA	NC	146.730 K9GTQ/R	O	K9GTQ
JANESVILLE	SC	145.450 WD9ACY/R	O A E	R A T SYS
JEFFERSON	SC	145.490 W9MQB/R	O	T-C ARC
JUNEAU	SC	146.640 W9TCH/R	OAEZ WX	ROCK R RC
KAUKAUNA	NE	444.450 ND9Z/R	O	* ND9Z
KENOSHA	SE	147.075 WA9YTH/R	O A E 3APL	WA9YTH
KENOSHA	SE	224.800 WB9LST/R	O Z E L	* WB9LST
LA CROSSE	SW	146.760 K9CUT/R	O	L C R ASC
LA CROSSE	SW	146.970 WA9HHM/R	O A E	RVRLNDARC
LA CROSSE	SW	147.090 N9ETD/R	O	FROUT ARC
LA CROSSE	SW	147.210 N9BRA/R	O A	N9BRA
LA VALLE	SC	442.400 W9EBF/R	O PL3Z	W9EBF
LC D'FLAMBEAU	NC	146.670 N9ADA/R	O PL	N9ADA
LODI	SC	147.225 K9EYY/R	O CA EPL2A	K9EYY
MADISON	SC	146.685 W9YT/R	O PL	UW-B ARS
MADISON	SC	146.760 WB9AER/R	O B A E	M A R A
MADISON	SC	146.940 W9FZC/R	O	C W R A
MADISON	SC	147.150 WB9AER/R	O B A E	M A R A
MADISON	SC	224.160 WB9RSQ/R	O A	WB9RSQ
MADISON	SC	443.675 KD9UU/R	O PL A Z	KD9UU
MADISON	SC	444.000 KA9VDU/R	O PL 123.0	* KA9VDU
MADISON	SC	444.500 WB9TAE/R	O PL 123.0 E L	* WB9TAE
MADISON	SC	444.775 NG9V/R	O PL2A	NG9V



SSB
SELL SWAP BUY

OUR WANT ADS GET RESULTS

FOR SALE

Antenna Specialists tri-band base station scanner antenna;
2 Radio Shack TRS-80 Acoustic Couplers for Model 100 portable computer (Cat. #26-3805);
3 Radio Shack C-20 computer cassette

tapes which may contain some Model 100 software;

Radio Shack publication "Understanding Digital Computers";

Radio Shack publication "Using the TRS-80 in Your Home";
"ZX81 Basic Book";

ICOM Model HM-12 8-pin mike with up/down scan and lock buttons;

ICOM Model BC-16U wall charger;

Radio Shack Realistic Model CTR-85 cassette tape recorder (Cat. #14-1056), featuring voice actuation recording;

50' Belden 9258 coax cable;

1989 Edition Police Call scanner frequency directory, covering Iowa, Kansas, Minnesota, Missouri, Nebraska, and North and South Dakota;

Data Share serial-to-parallel printer interface with graphics buffer and NLQ feature (for use with most Commodore computers and non-Commodore printers);

Larsen magnetic-mount, 1/4 wave, 2-meter mobile antenna (brand new, never been used).

Contact Mike Schoenfuss, N9GHZ, 221 Scott St., Apt. 725, Wausau, WI 54401. Telephone (715) 845-1006.

Location	Rg	Standard Inputs	Unless Otherwise Noted	Sponsor
Output	Call	Access		
MANITOWOC	NE	145.190 WB9MFB/R	O X	WB9MFB
MANITOWOC	NE	146.610 W9DK/R	O A E	MANCORAD
MANITOWOC	NE	146.700 K9FWR/R	RTTY	K9FWR
MANITOWOC	NE	147.030 N9GHE/R	O A K	* N9GHE
MANITOWOC	NE	224.540 N9GHE/R	O CA	* N9GHE
MANITOWOC	NE	443.975 N9GHE/R	O	* N9GHE
MARSHFIELD	NC	147.180 WN9K/R	O	* MARSH ARS
MARSHFIELD	NC	444.975 WN9K/R	O	* MARSH ARS
MAUSTON	SC	146.850 W9EJD/R	O	ARC OF CW
MEDFORD	NC	147.150 W9QHI/R	O E P WX	TAYLOR AR
MENOMONIE	NW	146.610 W9WDK/R	O	R CDR RA
MENOMONIE	NW	146.805 N9HNI/R	O	N9HNI
MILTON	SC	146.715 WD9FKW/R	O CA PL T	WD9FKW
MILWAUKEE	SE	29.620 WB9ZRB/R	O	* IND RP SY
MILWAUKEE	SE	29.680 N9BBG/R	O PL 3A	N9BBG
MILWAUKEE	SE	53.030 WB9TRO/R	O E	* W E R A
MILWAUKEE	SE	52.680 WB9ZRB/R	O	* IND RP SY
MILWAUKEE	SE	145.130 N9EGR/R	OAEZXPL4A	MAARS
MILWAUKEE	SE	145.170 W9FK/R	O	* W-A RAC
MILWAUKEE	SE	145.230 N9BMH/R	PL	N9BMH
MILWAUKEE	SE	145.390 W9AOFB/R	O PL 3A	W9AOFB
MILWAUKEE	SE	146.625 WB9ZRB/R	O	* WB9ZRB
MILWAUKEE	SE	146.670 W9WK/R	Z	ARES
MILWAUKEE	SE	146.790 W9HHX/R	O A PL	MSOE ARC
MILWAUKEE	SE	146.850 W9KHO/R	O PL 3A CA	MICORS (T
MILWAUKEE	SE	146.910 WA9JOB/R	O EZ X PL 3A	MRC
MILWAUKEE	SE	147.000 W9PY/R	O PL 2B	P.R.C.
MILWAUKEE	SE	147.105 K9IFF/R	C CA TT	* K9IFF
MILWAUKEE	SE	147.135 N9YT/R	O PL 141.3	* NY9T
MILWAUKEE	SE	147.165 WB9SDD/R	O PL 3A	WB9SDD
MILWAUKEE	SE	147.210 W9ODD/R	O	M.U. ARC
MILWAUKEE	SE	147.330 N9EDL/R	O A PL 2A	N9EDL
MILWAUKEE	SE	223.860 WB9UOS/R	O A E	WB9UOS
MILWAUKEE	SE	224.680 WD9ABR/R	O PL CA	WD9ABR
MILWAUKEE	SE	224.720 W9KHO/R	O CA PL 2A	MICORS
MILWAUKEE	SE	224.900 NK9G/R	O CA E	NK9G
MILWAUKEE	SE	224.960 WB9TYT/R	O CA PL 2A	WB9TYT
MILWAUKEE	SE	443.150 W9KHO/R	O PL 2A	MICORS (T
MILWAUKEE	SE	443.300 WB9TYT/R	PL 2A	WB9TYT
MILWAUKEE	SE	443.375 KC9UZ/R	O	KC9UZ
MILWAUKEE	SE	443.550 K9HXA/A	C	* K9HXA
MILWAUKEE	SE	443.700 WA9HUX/R	C	E.K.A.R.C
MILWAUKEE	SE	443.750 WA9POV/R	PL 127.3	* M UHF SO
MILWAUKEE	SE	443.800 N9GMT/R	O A E Z L PL 114.8	* FM 38
MILWAUKEE	SE	444.200 K9HXA/A	C	* K9HXA
MILWAUKEE	SE	444.250 N9DII/R	C PL	N9DII
MILWAUKEE	SE	444.300 W9WK/A	O PL	MIL ARES
MILWAUKEE	SE	444.325 N9CFG/R	O PL	WERA
MILWAUKEE	SE	444.800 K9HXA/A	C	* K9HXA
MILWAUKEE	SE	444.850 WB9TRO/R	C PL A E L	* WERA
MILWAUKEE	SE	444.875 WB9TRO/R	C	* WERA
MILWAUKEE	SE	444.950 N9EDL/R	O A	N9EDL
MONROE	SC	145.110 NR9W/R	O	G C ARA
NEW BERLIN	SE	147.285 W9EBF/R	O PL	W9EBF
NEW BERLIN	SE	442.350 NO9B/R	O CA PL 4A	NO9B
NEW BERLIN	SE	442.400 W9EBF/R	O PL	W9EBF
NEW BERLIN	SE	444.500 WA9AOL/R	O	WA9AOL
NEW HOLSTEIN	NE	147.300 K9LGR/R	O CA E Z	C.A.R.E.S
NEW LONDON	NE	146.625 WB9ICH/R	O	* WB9ICH
NO FREEDOM	NC	224.680 KA9HKL/R	O	KA9HKL
NO FREEDOM	NC	442.050 WA9SOU/R	PACKET	WA9SOU
OREGON	SC	444.925 WB9OQU/R	O	WB9OQU
OSHKOSH	NE	147.240 WB9TDU/R	O B A E Z	WIN CTY E
OSHKOSH	NE	147.345 WB9ZHN/R	O A E Z	* SOLAR
PARK FALLS	NC	147.000 WB9WHP/R	O	PRICE RA
PEPIN	NW	145.350 KB9S/R	O	WAB ARS
PEWAUKEE	SE	147.210 WB9AKC/R	O PL 6A	W.C.T.C.
PEWAUKEE	SE	443.125 WB9AKC/R	O PL 3A	W.C.T.C
PLATTEVILLE	SW	145.270 WK9M/R	O A E	UWP-ARC
PLYMOUTH	NE	224.940 KD9PE/R	O	* SC 220 A

Location	Rg	Standard Inputs	Unless Otherwise Noted	Sponsor
Output	Call	Access		
PLYMOUTH	NE	444.350 WE9R/R	O PL 2A	WERA
POWERS LAKE	SE	443.925 KC9XN/R	O PL 2A	L/K AMA S
PT WASHINGTON	SE	146.970 W9CQO/R	O A PL EXZ	ORC
RACINE	SE	147.270 W9UDU/R	OAEZIPR	* L/S RP A
RACINE	SE	443.950 KA9JMK/R	O	KA9JMK
RACINE	SE	444.050 KA9LOK/R	O	KA9LOK
RHINELANDER	NC	146.940 W9ZZZ/R	O A E	RHIN RP A
RICE LAKE	NW	145.110 WA9CXN/R	O	WA9CXN
RICE LAKE	NW	147.030 WB9WFG/R	O E	BAR ARES
RICHLAND CTR	SW	146.910 WB9SLI/R	O PL	P V RP A
RUBICON	SC	145.350 WB9KPG/R	O A E Z	* WB9KPG
SALEM	SE	223.720 N9BBQ/R	O A E L Z	N9BBQ
SCHOFIELD	NC	145.230 WB9JGA/R	O	WB9JGA
SHAWANO	NC	145.350 WA9BZW/R	O A PL 114.8	* WA9BZW
SHEBOYGAN	NE	145.110 KR9S/R	C	SHEB DX
SHEBOYGAN	NE	147.060 W9RF/R	O CA	SHEB ARC
SISTER BAY	NE	147.180 W9QBJ/R	O	WA9PFQ
SLINGER	SE	146.730 W9MQD/R	O TT 1200	* WA CO RG
STEVENS POINT	NC	146.670 WB9QFW/R	O A E Z	CNT WI RA
STEVENS POINT	NC	146.985 W9NN/R	O	CNT WI RA
STEVENS POINT	NC	443.950 K9MIF/R	O	K9MIF
STOUGHTON	NW	421.250 N9BXA/R	O VIDEO	N9BXA
STURGEON BAY	NE	146.730 WB9YUY/R	O PL	* WB9YUY
STURGEON BAY	NE	147.210 W9AIQ/R	O CA E Z	* DOOR E G
STURGEON BAY	NE	444.000 WB9YUY/R	O	* WB9YUY
STURTEVANT	SE	29.640 WA9ZYU/R	O	WA9ZYU
STURTEVANT	SE	224.740 WA9ZYU/R	O A	WA9ZYU
SULLIVAN	SC	147.255 WA9VEU/R	O PL	WA9VEU
SUPERIOR	NW	145.490 K9ASC/R	O	DC RACES
SUPERIOR	NW	146.760 W9BWK/R	O	T P A RA
SUPERIOR	NW	146.820 WA9VDW/R	O PL A	T P A RA
SUPERIOR	NW	444.900 WA9KLM/R	O A TT	WITC ARC
TOMAH	SW	145.390 N9BOE/R	O A E Z	N9BOE
TOMAHAWK	NC	145.430 N9CLE/R	O A	TOM RP A
TOMAHAWK	NC	223.760 N9CLE/R	O	TOM RP A
TOMAHAWK	NC	444.575 N9CLE/R	O	N9CLE
TREVOR	SE	145.290 KA9VZD/R	O	KA9VZD/R
TREVOR	SE	442.600 KA9VZD/R	OAEZL	STLIN ARC
WALES	SE	224.120 WB9DRO/R	O PL 114.8	* WB9DRO
WALES	SE	444.975 WB9DRO/R	O PL 114.8	* WB9DRO
WAUKESHA	SE	147.390 N9KS/R	O	E.A.R.S.
WAUPACA	NC	145.410 WD9GJW/R	O CA	P WD9GJW
WAUPACA	NC	146.835 N9BKJ/R	O L	N9BKJ
WAUPACA	NC	146.925 N9IKP/R	O	N9IKP
WAUPACA	NC	147.390 WA9FDC/R	O	WP'ACA RC
WAUPACA	NC	442.000 N9IKP/R	O	N9IKP
WAUPACA	NC	444.825 N9BKJ/R	O L	N9BKJ
WAUSAU	NC	145.450 WB9JGA/R	O	WB9JGA
WAUSAU	NC	146.640 W9SM/R	O A	WI VAL RA
WAUSAU	NC	146.820 W9BCC/R	O EZ CA X	RIB MT RA
WAUSAU	NC	147.060 W9KRY/R	O CA	KC9NW
WAUSAU	NC	224.300 K9DB/R	O E	CENTAUR
WAUSAU	NC	224.640 W9SM/R	O Z CA	WI VAL RC
WAUSAU	NC	421.250 AD9W/R	O E H SYNC	VIDEO
WAUSAU	NC	425.750 AD9W/R	AURAL	-4.5 IN
WAUSAU	NC	443.750 KC9NW/R	O CA	KC9NW
WAUSAU	NC	443.750 KC9NW/R	O	KC9NW
WAUSAU	NC	444.300 W9BCC/R	O E	-W9BCC
WAUSAU	NC	444.700 KC9NW/R	O E CA	KC9NW
WEBB LAKE	NW	145.190 NOEDV/R	O	* NOEDV
WEST ALLIS	SE	224.520 KA9JCP/R	O	* KA9JCP
WEST ALLIS	SE	442.650 N9EJO/R	O PL T	N9EJO
WEST BEND	SE	443.900 N5IIA/R	O	N5IIA
WI RAPIDS	NC	146.790 W9DQA/R	O E Z CA	MID-ST RA
WI RAPIDS	NC	147.330 K9PJB/R	O CA E Z	WI AIR RA
WIND LAKE	SE	53.330 N9DIR/R	O	N9DIR
WOODRUFF	NC	147.360 WB9ESM/R	O	WB9ESM

TAYLOR COUNTY AREA AMATEUR RADIO CLUB

Rolland Walty, W9LEE
Secretary
W. 4117 Hwy. 102
Westboro, WI 54490

MONTHLY CLUB MEETING

Thursday, May 10 at 7:00 p.m. in the Emergency Government meeting room in the Court House Annex, Medford. We expect to have a progress report on the W9QHI/R autopatch and on the future status of the WA9ZCO repeater.

MINUTES OF MEETING APRIL 5, 1990

Because of conflicts with Holy Week, the April club meeting was held a week earlier than the scheduled date of April 12. Members present were W9LEE, WD9FWP, KB9BLV, N9IDW, W9QHI, N9GEN, KA9UXN, KB9CBG, and N9GHZ.

The meeting was called to order at 7:25 by President N9GEN. The minutes of the March meeting were read by Secretary W9LEE, and were approved. The treasurer's report was then given and approved. N9GEN then called for a report on the March 26 meeting between representatives of the club and members of the county board, in regard to the proposed 911 autopatch for the Medford repeater. The report was given by W9LEE, and some discussion followed.

A motion was made by N9GHZ for the club to purchase autopatch equipment to be installed on the repeater. The motion was seconded by WD9FWP, and was approved by unanimous vote. Literature on some available autopatch equipment was passed around by W9LEE, and discussed by the members. It was decided to obtain information on other brands of equipment before deciding on which model to purchase.

N9IDW was commended for his performance as net control of the SkyWarn net held in conjunction with the Simulated Tornado Drill on April 5.

Some more discussion of club participation in the Boy Scout Camporee, to be held in May, followed.

The meeting was adjourned at 8:40 p.m.

Rolland Walty, W9LEE
Secretary

TAYLOR COUNTY AMATEUR RADIO EMERGENCY SERVICE NEWS

Mike Schoenfuss, N9GHZ
Taylor/Clark County
ARES Emergency Coordinator

Don't forget to try to check into the weekly ARES net, held Wednesdays at 8:30 p.m. on the Medford repeater (147.75/-147.15). If the repeater is down, or not functioning properly, alternate frequencies

are 147.15 MHz simplex or 146.52 MHz simplex. You're also encouraged to volunteer for net control duty for the net.

A reminder to all that we will try to have some severe weather spotting training films available at the May meeting, and all are encouraged to attend. The severe storm season is already upon us.

N9GHZ will be contacting the Taylor County Sheriff's Department to provide them with information on repeater autopatch systems, how they function, and how they are used by hams to contact the Sheriff's Dep't. This will hopefully clear up problems that have been experienced in the past when area hams have attempted to call the Sheriff's Dep't.

Thanks to N9IDW, who acted as net control station for the simulated ARES/SkyWarn Net, held on the Medford repeater on April 5, in conjunction with Tornado Awareness Week. The net was conducted from the Taylor County Emergency Operations Center in the Courthouse in Medford. There was a total of 7 checkins to the local net, as follows:

Taylor County: KE9LX and WA9KMB, Medford; WD9ITI, Stetsonville; and W9LEE, Rib Lake.

Clark County: KB9BLV, Dorchester.

Eau Claire County: KA9GTF, Eau Claire; and WA9PAM, Chippewa Falls.

In addition, N9IDW maintained liaison with the Eau Claire and Wausau repeaters by checking in with WC9ABH on the 22/82 Wausau repeater net, and KA9GTF on the 31/91 Eau Claire repeater. Thanks, also, to all who checked in and participated in the exercise.

144.67/145.27 DORCHESTER REPEATER (WA9ZCO/R)

WA9ZCO and N9GHZ wish to announce that the 145.27 repeater and autopatch will be on the air again at some point in the future. A new homebrew, microprocessor-based repeater controller needs to be completed first, and is still in the construction stages. All inquiries concerning this repeater should be directed to WA9ZCO.

147.75/147.15 MEDFORD REPEATER (W9QHI/R)

A meeting was held on March 26, attended by the Taylor County Board Executive Committee, Taylor County Emergency Government Director Roland Sacho, Midway Telephone Company officers Goodrich and Engstrom, and Taylor County Area Amateur Radio Club members W9LEE, KE9LX, and W9QHI. The end result of the meeting is that the county has agreed to furnish and pay for a telephone line out to our repeater site on the Taylor County Community Education Center campus. The club must provide the necessary repeater hardware (i.e., autopatch or controller). The only catch is that the phone company is insisting they must charge the monthly business rate for the line, rather than the

residential rate, unless they hear otherwise from the Wisconsin Public Service Commission. The county indicated that, if at all possible, they would like to see us obtain the lower residential rate, so that area is being worked on. Options for the autopatch and/or controller are still being looked into.

WHITE PINES DISTRICT SPRING BOY SCOUT CAMPOREE

N9GHZ had sign-up sheets available at the April meeting for operators for the various different operating positions at the Camporee, including: two HF stations, 2-meter station, packet station, and ATV station. Time slots are in 3- and 4-hour blocks. If you couldn't attend the April meeting, but would like to assist as an operator of one of the above stations, there are still some slots left open. There are two positions available for each time slot for each station, so that while one operator actually operates and adjusts the equipment, the other operator is available to answer questions from Scouts and explain what is being done and what is going on. This means that, for each station, we need operators who are familiar with the operation of that particular kind of equipment, and who are knowledgeable of the principles behind its use.

All time slots for the 2-meter station have been filled, but there are still slots open for the remaining stations. If you're interested in working with one of the two HF stations, contact Jim Sahr, N9IFA, N1878 CTH F, Lublin, WI 54447, home phone (715) 669-3854. If you're interested in working with the packet radio station or ATV setup, contact Mike Schoenfuss, N9GHZ, 221 Scott St., Apt. 725, Wausau, WI 54401, home phone (715) 845-1006.

We are also looking for at least a General Class, or possibly even an Advanced or Extra Class Amateur, who would be able to attend the Camporee all day Saturday, May 12, and Sunday morning, May 13, until 12 noon. That person would be the control operator for the various HF and other stations, and their callsign would most likely be used for most of the contacts made. In that way, we will be able to announce our operations from the Camporee ahead of time, and be able to provide a callsign for other Amateurs to listen for and call when making contacts. Having an Advanced or Extra Class Amateur as control operator will also permit us to make use of additional HF frequencies. If we cannot find one person to cover both days, we could consider having one person covering Saturday, and another covering Sunday. Keep in mind that the control operator needs to be present at all times when the equipment is in operation.

Also, a reminder to everybody that, in addition to the need to man the stations and exhibit on Saturday and Sunday, there will also be a need for help in setting things up on Friday afternoon and/or evening, May 11, and to take everything down again on Sunday afternoon, May 13.

Some additional equipment will also be needed to set up the 2-meter station, including: coaxial cable in lengths of approximately 50 feet, antenna masts from 20 to 30 feet in length, and two 2-meter beam antennas.

Due to the long period of time that will be spent in manning the exhibit, plans call for providing food and refreshments for those Amateur Radio operators working at the Camporee, and will likely include brats, hot dogs, pop, etc.

Another recent exciting development

is the discovery that the dates of the Camporee will coincide with the 10-day mission of space shuttle Columbia, presently scheduled for May 9-19, which will be carrying the next Shuttle Amateur Radio Experiment (SAREX), with Dr. Ron Parise, WA4SIR, as a Payload Specialist. What this means to the Camporee are opportunities for 2-meter voice and packet radio contacts with the shuttle. N9GHZ has requested additional information and details from the appropriate persons at ARRL Headquarters.

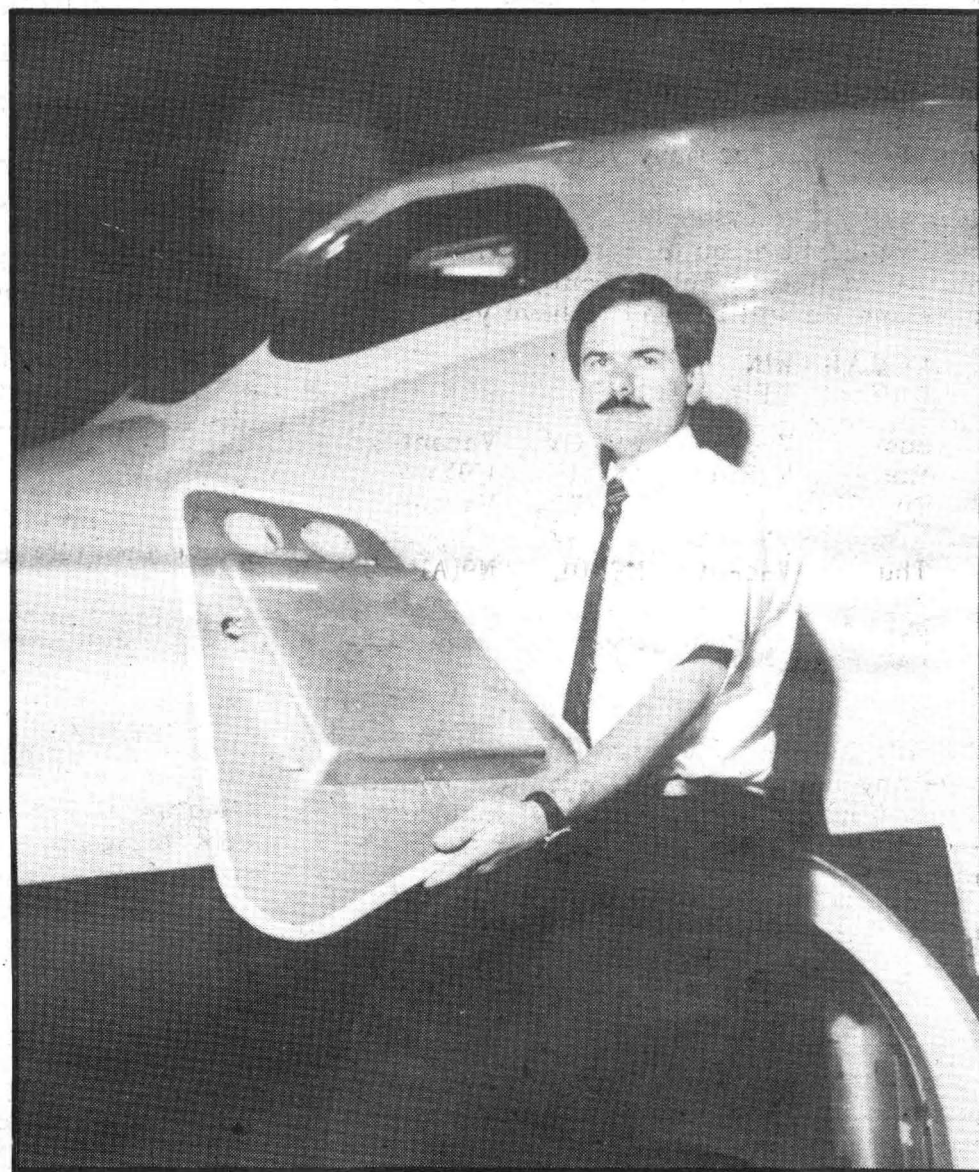
RAIN DIAL-UP SERVICE

The RAIN Dial-Up Service weekly amateur radio news bulletins can now be heard on the air again in this area. They are being aired weekly on the 146.04/64 W9SM/R repeater, located in Wausau. The bulletins follow the weekly net on that repeater, which is held at 8 p.m. on Wednesday evenings. The net itself usually runs no more than 30 minutes.

STS - 35 Mission Approaching Launch

Ron Parise, WA4SIR, is a Payload Specialist on the Space Shuttle mission STS-35, scheduled to be launched May 9, 1990, from Cape Canaveral. Ron will operate both 2-meter AFSK packet, as well as 2-meter FM voice. The packet station (an HK-21 "pocket-packet TNC" marketed by Heathkit) will transmit bulletins providing updates on the mission, and will operate in a ROBOT mode, where stations on the ground can connect to the shuttle TNC and obtain a QSO number to validate the contact.

Ron is scheduled to operate the 2-meter voice station during his off hours, and he will spend the majority of his time talking with school classrooms around the world, offering them the opportunity to talk directly with an astronaut aboard the Space Shuttle. NASA has authorized SAREX (Shuttle Amateur Radio Experiment) in order to "encourage youth to become excited about science and technology" and to publicize manned space flight to the general public.



Ronald Parise, WA4SIR, STS-35 payload specialist, holds the Shuttle amateur radio experiment (SAREX-2) antenna for STS-35. The antenna was built at no cost to the government by the Motorola Amateur Radio Club in Schaumburg, Illinois. SAREX is a joint effort of NASA and the American Radio Relay League (ARRL) and the Amateur Radio Satellite Corporation (AMSAT). - NASA Photo

JANUARY 4, 1983

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Recently, the amateur equipment to be used on the mission underwent EMC (electromagnetic compatibility) tests. These tests are designed to determine the possibility of any interference the amateur equipment may inflict on any of the shuttle electronic systems. NASA has notified AMSAT that all of the equipment passed the tests.

With SAREX on STS-35, Amateur Radio may have an opportunity to further the quest for international cooperation in space. Now that Amateur Radio activity on the (Soviet) MIR space station

(Please turn to page 16)

Wisconsin Nets Association Ltd.

(Continued from page 4)

may be because we just didn't have any outlets for the traffic that was brought to us, so I am inviting all you guys that frequent the SSB nets to come on down and join us. We'll gladly slow down for you and, who knows, you just may get hooked and, believe me, this is a good addiction.

Otherwise, the net has been running very smoothly. Of course, the coming of spring brings our old friend, Mr. Static but, so far, he has been rather good to us; I hope that he will stay that way.

As you may know, we have had a few new additions to our NCS team. I'm glad to have them aboard, and I hope that they will be with us for many years to come.

Below, I have made up the schedule of NCS and 9RN and SSB reps. As you can see, we do have quite a few openings. If you would like to help us out, just let me know and we will be glad to have you.

LOCAL DAY	WIN REP	NCS	9RN
Sun	Vacant	W9YCV	Vacant
Mon	N9BDL	N9IAI	W9YCV
Tue	Vacant	W9CBE	Vacant
Wed	Vacant	W9NGP	W9CBE
Thu	Vacant	N9BDL	N9IAI
Fri	AG9G	WB9ICH	Vacant
Sat	Vacant	AD9X	Vacant

Well, I guess that will just about do it for this time around. I would like to say to the WIN members who read this that if you have any news that you would like passed along, send it to me, and we'll include it in this writing when our time comes around again.

Until the next time, keep up that WINning spirit flying high, and we'll see you on the nets.

73, and Happy Spring,
Larry, WB9ICH

WISCONSIN INTRASTATE NET/LATE (WIN/L)

Ed Rice, W9NGP, Net Manager
W-126 Lang Road
Oconomowoc, WI 53066

The start of daylight saving time brings us to the end of the first quarter of 1990. Below is a comparison of some totals for the first quarter of 1989 and 1990.

We have two new net control stations: W9KLN and N9IAI. Both are expert traffic handlers, and I am glad to have them on the 200 club.

Many thanks to Les, W9YCV, for taking extra NCS to cover for me while I was on a little vacation in Texas. Conditions

were poor, but I did manage to check in to the net one night from there.

N9IAI and W9CBE have the most times 9RN, with 17 for the quarter. N9IAI had the most QNI, with 67. W9YCV has the most NCS, with 18 for the quarter.

1989	1990
QTC 203	QTC 179
QSP 131	QSP 99
QNI 523	QNI 633

73, Ed

WISCONSIN NETS ASSOCIATION

On The Air Meeting

10 March 1990

In the absence of the Chairman, WA9W, the meeting was called to order by the Secretary, KA9KLZ, at 1603Z, 10 March 1990. The roll was called, and the following members were present: K9GDF, KC9CJ, AG9G, N9IAI, KA9KLZ, K9UTQ, K9FHI, N9BDL, N9FVN, WB9ICH, W9CBE, NS9Q, and WC9O.

The minutes of the previous meeting were read. Motion (N9BDL/K9FHI) was made to accept minutes as read. Motion carried.

The acting chairman called for the Treasurer's report. W9CBE, WNA Treasurer, gave the following report:

Previous balance 12/16/89	\$178.09
Debit BSSS	\$22.40
Credit WNA Boosters	\$40.50
Current balance 3/10/90	\$196.19

Motion (WB9ICH/K9UTQ) was made to accept treasurer's report as read. Motion carried.

WNA CHAIRMAN'S REPORT: WNA Chairman Greg, WA9W, was not present.

SECTION MANAGER'S REPORT: Rich, K9GDF, thanked everyone for the good job of handling traffic in the state, and reminded everyone of the Wisconsin QSO Party today.

SECTION TRAFFIC MANAGER'S REPORT: Dick, KC9CJ, reported that traffic had increased for the year. Dick also welcomed all of the new traffic handlers to the nets. Dick announced that Bob, N9IAI, is now the N/M for the Badger Emergency Net.

SECTION EMERGENCY COORDINATOR: Neither Fred, W9ZAG, nor Sherm, W9NGT, Assistant SEC, were present.

BADGER WEATHER NET: Dick, KC9CJ, BWN N/M, reported that a couple of needed spots in the state, namely Marinette and Appleton, had been filled. Stations in Eau Claire, Menomonie, La Crosse, Tomah, Wisconsin Dells, and generally all over the southwest part of the state, are needed. All of the NCSs are doing good jobs, and Jim, WB9YPY, is doing a good job of arousing interest in the BWN.

BADGER EMERGENCY NET: Bob, N9IAI, reported that the BEN has been averaging about 20 checkins per session. A net roster is being made up, and will be distributed to net members soon. Bob shared some of his plans for the net, and is looking forward to his tenure as BEN N/M.

WISCONSIN SIDEBAND NET: Gene, K9UTQ, reported the net is doing about the same. Checkins and traffic for February are up a little. Checkins from November to date have been averaging about 21 per session. Gene is looking for an NCS to Friday to take NZ9Z's place. Things are going smooth for the net.

WISCONSIN NOVICE NET: Adrian, KA9FVX, was not present so Lee, N9BDL, gave the report. Lee reported that the WNN was about the same. Lee said that there are three NCSs now: KA9FVX, N9BDL, and KA9GBG.

WISCONSIN SLOW SPEED NET: Lec, N9BDL, WSSN N/M, said that the net stats will be in BSSS. Checkins are up, and AG9G is still steady.

WISCONSIN INTRASTATE NET/EARLY: Larry, WB9ICH, WIN/E N/M, reported that traffic is regular, and all NCS slots are filled. Monday, Wednesday and Thursday 9RN slots are filled, and the others are open. The net also needs liaison stations from the SSB nets.

WISCONSIN INTRASTATE NET/LATE: No report. Ed, W9NGP, was not present, and no WIN/L delegates were present.

NORTH WOODS TRAFFIC NET: Mary, NS9Q, NWTN N/M, reported that the net was doing great. Checkins are about the same, but traffic and net time are up. Everybody is doing a great job.

OLD BUSINESS

No old business was brought up.

NEW BUSINESS

N9IAI inquired about the June WNA meeting. KA9KLZ stated that the June meeting would be held in conjunction with the Stevens Point Hamfest 17 June 1990, probably in the afternoon. W9CBE commented on the lack of publicity for the annual picnic, and the need to appoint a committee to find a picnic site for this year. N9IAI inquired as to what is required for a picnic site. N9IAI volunteered to chair a committee to find a site for the 1990 picnic. He asked K9UTQ, K9FHI, and N9BDL to be on the committee with him. Several picnic sites were discussed, with no action taken.

Acting Chairman KA9KLZ called for a motion (N9BDL/K9FHI) to adjourn. Motion carried, and the meeting was adjourned at 1727Z, 10 March 1990.

Respectfully submitted,

Art Evans, KA9KLZ, Secretary

(Continued on page 16)

Wisconsin Nets Association Ltd.

WNA NET MANAGERS, DELEGATES, AND ARRL OFFICIALS

ARRL OFFICIALS

SM Rich Regent, K9GDF
STM Richard Hugi, KC9CJ
SEC Fred Wendt, W9ZAG
SEC/A Sherm Carr, W9NGT

BADGER WEATHER NET

N/M Richard Hugi, KC9CJ
DEL James Caldwell, WB9YPY
DEL Dwight Simpson, AG9G

BADGER EMERGENCY NET

N/M Bob Towns, N9IAI
DEL Art Evans, KA9KLZ
DEL Stacy Garner, WG9J

WISCONSIN SIDEBAND NET

N/M Gene Santoski, K9UTQ
DEL Roy Pedersen, K9FHI
DEL Ray Sunderland, K9ANV

WISCONSIN NOVICE NET

N/M Adrian Apple, KA9FVX
DEL

WISCONSIN SLOW SPEED NET

N/M Lee Andreas, N9BDL
DEL Paul DeWitte, N9FVN

Jim Law, W9CXY, Silent Key

KENOSHA - James Law, W9-CXY, 84, died March 28, 1990, after a battle with cancer.

Jim had been handling BPL-quantity traffic continually since 1948, until he had a health problem and surgery. After a year's recovery, he gained strength and 50 pounds to his proper weight.

He lived in St. Joseph's Nursing Home, where the head sister, after some thought, gave Jim permission for a Ham Radio station in his room. Life without Ham Radio was boring! The home's maintenance man installed the antenna, and Jim was on the air!

Jim was very active on CW traffic nets. He liked to work Novices, and operated 80 and 40 meters. He used a bug, and said of it, "I put the paper clamp at the end for Novices, near the pivot for the nets, and take it off the bug completely for the high-speeders."

Hail and farewell, Jim.

- Richard Regent, K9GDF



JAMES LAW, W9CXY

DEL Keith Shilhavy, KY9P

WISCONSIN INTRASTATE NET/EARLY

N/M Larry Guthu, WB9ICH
DEL Hale Blakely, W9CBE
DEL Les Peterson, W9YCV

WISCONSIN INTRASTATE NET/LATE

N/M Edward Rice, W9NGP
DEL Paul Amend, KA9OBP

NORTH WOODS TRAFFIC NET

N/M Mary Berger, NS9Q
DEL Bob Berger, WC9O

STS - 35 Mission Approaching Launch

(Continued from page 14)

appears to have resumed, AMSAT and ARRL are investigating whether there will be a mutual-visibility window between STS-35 and MIR for a first-ever Shuttle to MIR linkup.

Adding to the excitement, the STS-35 Mission Commander is Vance Brand, who participated in the Apollo/Soyuz program many years ago.

The ARRL Educational Activities Department now has a SAREX teacher's package, which includes lesson plans, resource material, informational videotapes, and more. You can obtain the package by sending a 10 x 13-inch envelope with \$1.25 postage affixed to EAD at ARRL HQ, 225 Main St., Newington, CT 06111.

Stay tuned to AMSAT and ARRL bulletins as further details on STS-35 become available.

- The ARRL Letter, 04/09/90

RIVERLAND AMATEUR RADIO CLUB

(Continued from page 14)

OLD BUSINESS

An ad hoc committee was appointed to consider options and make a recommendation to the club as to the disposal of certain club equipment. They are Greg, KA9FOZ; Larry, N9JFI; and Carl Simonson. Their report will be available for the June meeting.

Van, WA9FIO, reported on the repeater, and stated that it will be necessary to take it off the air for maintenance, for perhaps one week. He also commented on appropriate means of use and control.

NEW BUSINESS

JIM, KE9BC, asked about membership cards. Feroz, N9FJL, commented about inappropriate use of the repeater.

Wid, W9DM, suggested that, when possible, ragchewers seek a simplex frequency.

Jim, KE9BC, asked if there were problems with the repeater, as he had some trouble with access.

Dean, KQØC, asked that the club consider commenting on the proposed FCC no-code rule change. Walt, WD9GCR, recommends that we all comment individually, regardless of club action.

Gary, NI9V, suggested that we give a subscription to some ham magazine, other than QST, to the public library.

Dean, KQØC, suggests we arrange an exhibit in the mall. Greg, KA9FOZ, based on previous experience, would discourage this idea. Jim, KE9BC, commented.

Scott, KA9FOX, commented on Field Day.

Rick, KV9U, gave an update on examinations.

Walt, WD9GCR, asked that registration for the packet conference scheduled for 4/14 be submitted as soon as possible.

The club adjourned at 8:26 p.m.

After the meeting, Cole Warner, Assistant Director of Volunteer Services at Lutheran Hospital, offered a proposal that the club may have a secure room in the hospital, and a station could be maintained there. It would be available for use by licensed hams who were hospitalized, and by other long-term patients who would benefit if and when a control operator could be in charge, and secondarily by club members. Van, WA9FIO, and others, commented.

(Continued on page 17)

May 12, 13

Camporee Station to Demo Ham Radio

The Gilman, Wisconsin Boy Scout troop is hosting the Spring Boy Scout Camporee for the Chippewa Valley Council, White Pines District. The Camporee will be held in the Gilman Park in Gilman, located in western Taylor County, west of Medford, on Highway 64. The dates of the Camporee are Saturday, May 12, from 8 a.m. to 6 p.m., and Sunday, May 13, from 9 a.m. to 12 noon.

The White Pines District consists of about 20 individual troops from Chippewa, Clark, and Taylor counties.

The theme of this year's Spring Camporee will be "Amateur Radio and Radio Communications." The theme of last fall's Camporee was "Fur Trappers of the

1860s," and it was attended by approximately 535 Scouts.

It is expected that there will also be approximately 500 Scouts attending the Spring Camporee. This does not include chaperones and Scout leaders. In addition, there are plans for pre-publicity of the event, including newspaper articles and radio and TV announcements and, if possible, coverage of the actual Camporee by the news media. As a result, it is expected that the general public will also be in attendance. A special invitation to attend is also going out to the Medford and Rib Lake Scout troops, who are located just outside the White Pines District.

In addition, it appears that, at this

time, the Camporee may coincide with the space shuttle Columbia's STS-35 mission. Columbia will be carrying SAREX, the Shuttle Amateur Radio Experiment package. This means the possibility of two-way voice and packet radio 2-meter contacts between the space shuttle and participating scouts.

The Taylor County Area Amateur Radio Club is handling arrangements for the Amateur Radio Exhibit and stations at the Camporee. Plans call for two HF stations, a 2-meter voice station, and a 2-meter packet radio station, along with the possibility of a fast-scan ATV station for portable operations within the park.

The operators of these stations will be looking for contacts with other hams on the dates and times mentioned above. Terrestrial packet radio operations will be primarily on 145.01 MHz. Connects can be attempted through the following nodes: WIAUW, WIEAU, WIMED, and KA9WDX-2 (KANODE at Medford, Wis.).

Two meter repeaters monitored will include the 146.31/91 repeater at Eau Claire, 145.43 repeater at Tomahawk, 146.22/82 and 146.04/64 repeaters at Wausau, and the 147.75/15 repeater at Medford.

HF calling frequencies have not been selected as of this time. Watch your local packet bulletin board station for a message concerning HF calling frequencies. A control operator call sign for stations' operations has not been decided on yet, but may be N9GHZ. Some stations may be operating with their own individual call signs.

We hope to hear from you on May 12 and 13!

- Mike Schoenfuss, N9GHZ
Wausau, WI

RIVERLAND AMATEUR RADIO CLUB

(Continued from page 16)

THOSE PRESENT APRIL 3, 1990

Arby Boomer, WF9T; Wid Johnson, W9DM; Maty Johnson, XYL/W9DM; Karl L. Olberg, W4ST; Tom Gromacki, KB9BIS; Joe Mazera, WA9SOQ; Phil Ueling, W9UP; Gary Webb, NI9V; Greg A. Miller, KA9FOZ; Art Osborn, W0JDC; John Jorenby, KA9ETH; Bob Selbrede, KA9EZR; Charlie Burch, KA9-UUK; Ernie Gershon, K9ZVU; Feroz Ghouse, N9FJL; Fred Sorenson, N0HRN; Ron Reed, KD9OY; Jack Yoshizumi, W9-KTD; Walter Altus, WD9GCR; Luis Felipe Reyes, HJ5PDD/W0; Scott Neader, KA9-FOX; Van Elston, WA9FIO; Dean Summers, KQ0C.

Respectfully submitted by
Arby Boomer and Bill Wood

TRI-COUNTY AMATEUR RADIO CLUB PRESENTS:

SWAPFEST 1990

TO BE HELD ON:

SATURDAY, MAY 12

NOTE THE NEW DATE!

AT

JEFFERSON COUNTY FAIRGROUNDS

HWY 18 WEST, JEFFERSON, WI

FROM 8:00 AM UNTIL 2:00 PM

THIS WILL BE AN INDOOR-OUTDOOR EVENT. INDOOR SPACE REQUIRES A RESERVATION. BRING YOUR OWN OUTDOOR TABLES. SET UP WILL BE IN A RESERVED OUTDOOR VENDING AREA. COMMERCIAL SALES AREA INDOORS. ELECTRICITY AVAILABLE INDOORS ONLY. A NOTE TO VENDORS: SPECIAL NEEDS CAN BE HANDLED IF WE ARE CONTACTED IN ADVANCE.

PLATE LUNCHES AND BEVERAGE PROVIDED BY JEFFERSON 4H.

AMATEUR EXAMS: FROM 9:00 TILL NOON. GIVEN BY THE WATERTOWN AMATEUR RADIO CLUB. BRING YOUR FCC LICENSE, ORIGINAL AND A COPY.

HANDICAP ACCESSIBLE!

TALK IN ON THE NEW 145.49 REPEATER!

ADMISSION: \$2.50 ADVANCE - \$3.00 AT THE DOOR
4x4 FOOT TABLE SPACE (INDOOR ONLY) - \$3.00 RESERVE YOUR SPACE EARLY!
SEND YOUR S.A.S.E. TO: TRI-COUNTY AMATEUR RADIO CLUB
PO BOX 112
JEFFERSON, WI 53549



THE WISCONSIN PACKETEER

Wisconsin Amateur Packet Radio Association (WAPR)

c/o CARL SCHUMACHER, N9BYS
7740 EVERGREEN TERRACE
BURLINGTON, WI 53106

Steve Loeffler, WB9ZRE, Editor, 123 W. Oshkosh St., Ripon, WI 54971

High School Packet.....

Another high school station is active on packet. KB9DLJ is the callsign used for West Bend High Schools and operates on 145.01. A directional antenna at 130 feet is being used. Access to KB9DLJ can be attained through WISHE.

Mark - KB9DLJ

Backbone Surgery.....

To much forwarding on one frequency makes for slow thruput, so, on April 21, the Slinger, Green Lake and Lodi backbone node frequencies were changed to 223.755. The frequency change was made as a result of the tremendous amount of mail forwarding performed in southeastern Wisconsin, effectively shutting down the northern and western backbone routes out of Milwaukee. Mail forwarding delays of several days were not uncommon for outlying areas. While still in the test phase, the frequency change seems to have eliminated lengthy delays thru these nodes.

HF Primer.....

There have been a few problems on some of the HF packet frequencies lately with some stations unaware of the basics of HF packet operation. Some of the basics are obvious, others are things we don't think about unless they result in problems we encounter during HF operation.

One very basic point that is sometimes overlooked, is that the frequency spacing on HF packet on 10, 15 and 20 meters should be 2 KHz - i.e., 28.103, 28.105, etc. Operations on 28.102 will interfere with operations on 28.103. This may sound simple, but, listen to the situation on 10 meters on a Saturday!

Packet HF requires parameter changes to ensure efficient operating. PACLEN on HF should be short for 300 BAUD work, typically 20 to 40. Setting MAXFRAME to 1 allows only one packet to be sent out at a time. A FRACK of 4, 5, or 6 works well. DWAIT set between 200 - 400 milliseconds is a polite range. Remember, the chances of getting a single, short packet through on a crowded HF frequency is much better than trying to force long, multiple packets thru!

Generally, there are a lot of very interesting HF BBSs around, such as 3B8FP on 10 meters, however, it is NOT a good idea to browse thru a HF BBS the way you would on your local VHF system. You might want to log in and enter your information (N,NQ,NZ,NH, etc.). Avoid downloading bulletins unless you know what you are

looking for because most HF BBSs, at least state-side, have similar stuff on 'em (there are always exceptions). I log into new HF BBSs that I see, so the BBS will have my info for its users. I NEVER perform a plain "L" or "LB" command, because chances are that I would be asking the BBS to list upwards of a hundred messages, which would normally cause a timeout and disconnect!

Certain frequencies on HF are considered by some to be "reserved" for BBS use. 14.107, 14.109, 14.111, 14.098, 10.147, 10.149, 28.109, 28.113 are among them. This is not a RULE! It does not mean we are supposed to stay off these frequencies, but, we should avoid having regular QSOs there as it can interfere with forwarding (the stuff that ends up on your local VHF BBS)! Use good judgement! Frequencies for ragchew QSOs are: 14.105 (several gateways), 14.103, 14.101, 28.099, 28.101, 28.103, 28.105 (open BBSs & DX stations), 21.103, 21.101, etc.

1200 BAUD HF packet can be found on 28.180, 28.185, 28.190, 28.200 (note the 5 KHz spacing). Set-up your TNC as though you were going to work VHF (VHF ON, HBAUD 1200 - for PK232, etc.). Tuning can be tricky without a special tuning unit, but, satisfactory results can be attained with a little practice.

Many nodes and interesting gateways are found on 14.105, 28.105, 21.101 and you can work some interesting DX on these frequencies. I have worked 6W, 3B8, CEO, HCB, A45, 5B4, ZS3, TU2, TF3, FM5, 9Y4, VK3, and many others, just in the few times that I have left my BBS to use my TNC to explore these fun frequencies!

I hope this basic information is of use to anyone who is new to HF packet. Enjoy the bands!

Chuck - WA1IIE

Digicom's Hidden Capabilities Database.....

I have enjoyed using Digicom since its introduction and I believe it is among the best programs ever written for an 8 bit machine. I am sure that some of you have found very ingenious uses for some of its commands and capabilities. I am also sure that others of you have found that the AMD-7910 and the EXAR 2206/2211 modems work great on RTTY and AMTOR with A.E.A.'s MBA-TOR software with just a few simple, inexpensive, additional parts.

Unfortunately, the documentation for the various versions of Digicom have not equalled the quality of Digicom itself. Even the original German manuals leave something to be desired. Fortunately, some Digicom users have attempted to rectify this shortcoming. I bet, if you have used Digicom for any length of time, that you

have several sets of documentation. Many of you have probably seen many of the files I have written concerning Digicom, some of which have been widely disseminated. Some of the topics have covered curing the SABM retry bug, extending Dwait range, using the version 2.03 character set with other versions, customizing the status line, setting the PID byte to \$CF for automatic node recognition, various HF tuning indicators, various "front-ends" for the 7910 and Exar modems, auto binary transfers, macro or command file capability using Standard texts, novel block graphics, partially documented source code, and resolving SQRIN at printer port disable with problem printers that crash Digicom. N1EJI, K1DOW, WA6HFI, and myself also send out via the C-128 HUG bulletins much of the first useable documentation on version 3.51.

I am in the process of preparing a manuscript that thoroughly explores all of the capabilities of Digicom, including version 3.51. Also explored are various modifications and additions to the various modems used with Digicom.

I need your help. If you are an advanced user of Digicom I would like to hear from you and what you have discovered. I also wish to hear from anyone supplying hardware for Digicom. News items on Digicom networks and clubs are also welcome. Copies of the final manuscript will be available at production cost and postage to all who make original contributions. Anyone who makes an original contribution will be given full credit in the manuscript just as should be the case.

Please submit your contributions to KF6PU @ WB6YMH in California.

Mike - KF6PU

Mac Users Using the PK-232MBX & MacRATT.....

Did you know that MacRATT software does not support the PakMail Mailbox using the PK-232MBX in its Host Mode? The good news is that you can use the Host Mode by selecting the PK-88 option under the SETTINGS Menu. There are a few things you need to do though to ensure it works correctly:

1) As the PK-88 is a Packet device the software assumes that the TNC is always in the packet mode and this is not the case with the PK-232MBX. Before you implement the PK-88 software option by pulling down the SETTINGS Menu and selecting PK-88, be sure that the PK-232 is in the Packet mode before any changes are made.

2) To select VHF, change the TONE setting to 3 and HBAUD to 1200.

(continued on page 19)

Yellow Thunder Amateur Radio Club



K90DK
WB9FDZ

Art Kleefisch, W9WSS
Secretary
1014 5th Street
Baraboo, WI. 53913

The next meeting of the Yellow Thunder Amateur Radio Club will be held on Wednesday, May 16, 1990 in room 16 of the Baraboo Civic Center in Baraboo, Wisconsin. The meeting will begin at 7:30 pm with a program to follow a short business meeting.

The April 17, 1990 meeting of the Yellow Thunder Amateur Radio Club, Inc. was called to order at 8:03 p.m.

The following members were present:

Marvin Kaiser	
Jim Decker, WB9UQT	Baraboo
Duane Grotophorst, KA9HKL	Loganville
Ken Johnson, K9DZG	Mazomanie
Harry Mayland, K9FFT	Baraboo
Bob Johnson, WB9IEW	Pardeeville
Harry Westlund, K9EHJ	Baraboo

The minutes of the last meeting were accepted as published in the BSSS.

The treasurers report was given as: Operating balance of \$200.48 with a total balance of 235.75.

Results of the recent Novice Classes showed three people passed and are now waiting for their tickets. Those individuals are-

Steven Steele	- Portage
Joey Sweeney	- Portage
Gary Zarcone	- Oxford

James Decker, WB9UQT asked for volunteers for the May 12, 1990 March of Dimes "Walk America"

The President reminded all of the coming of Field Day in June.

With no further business, the buck nite drawing was held and the winner was Glen Bennett who was not present.

A motion for adjournment was made by Ken Johnson, K9DZG and seconded by Bob Johnson, WB9IEW and the meeting was adjourned at 8:45 p.m.

Respectfully Submitted,

Harry Westlund, acting Secretary

YTARC BIRTHDAZE

Harry W. Westlund K9EHJ	May	7
Bob Johnson WB9IEW	May	11
Peter Sweeney WD9JIB	May	13
Steve Schwoegler WB9RNL	May	29
Phil Anderson W9TP	May	31

SENTENCE SERMON

Beware of a half-truth. You may have gotten hold of the wrong half.

PACKETEER (continued from page 18)

3) To select HF, change the TONE setting to 1 and HBAUD to 300.

4) Set MAILDROP to ON.

5) The CHECK MAIL option under the CONTROL Menu should now be active.

You will find that this arrangement works fine an can be substituted until MacRATT is up-dated to reflect these changes.

Be sure and read section 3 pages 1 thru 7 in the MacRATT users manual.

Bob - K4CFV

Hard Answers For Hard Drives.....

If you are having problems with your hard drive and need help, here are some manufacturer's technical assistance phone numbers. It is suggested the you record the call so that can refer back to it at a later date.

MINISCRIBE.....	> 1-800-356-5333
WESTERN DIGITAL.....	> 1-800-832-4778
SEAGATE.....	> 1-800-468-3472
DTC.....	> 1-408-262-7700
ADAPTEC.....	> 1-408-945-8600
PERSTOR.....	> 1-602-998-5033

Sam - N3FOA

WLO WEFAX Schedule

Frequencies: 6.852 MHz (24 hours) and 9.1575 MHz (1200z - 0000z)

Time	Data To Be Broadcast
0250Z	00Z SURFACE ANALYSIS
0300Z	SIGNIFICANT WEATHER FEATURES
0310Z	OFFSHORE MARINE FORECASTS
0850Z	06Z SURFACE ANALYSIS
0900Z	SIGNIFICANT WEATHER FEATURES
0910Z	18/36 HOUR SURFACE PROGNOSIS
0920Z	COASTAL MARINE FORECAST
1100Z	GULF AVIATION FORECAST
1440Z	RADIO FAX SCHEDULE (MONDAY)
1450Z	12Z SURFACE ANALYSIS
1500Z	SIGNIFICANT WEATHER FEATURES
1510Z	OFFSHORE MARINE FORECASTS
1520Z	UNSCHEDULED FORECASTS
1800Z	GULF AVIATION FORECASTS
2030Z	18Z SURFACE ANALYSIS
2040Z	SIGNIFICANT WEATHER FEATURES
2050Z	18/36 HOUR SURFACE PROGNOSIS
2100Z	COASTAL WATERS FORECAST
2110Z	OCEANOGRAPHIC PRODUCTS (see Note)

NOTE: MONDAY - EAST AND WEST GULF SEA SURFACE TEMPERATURE CHARTS.

EAST GULF OCEAN FEATURES CHART ATLANTIC GULF STREAM.

TUESDAY - WEST GULF OCEAN FEATURES CHART.

WEDNESDAY - EAST GULF OCEAN FEATURES CHART.

THURSDAY - WEST GULF OCEAN FEATURES CHART.

FRIDAY - EAST GULF OCEAN FEATURES CHART. ATLANTIC GULF STREAM.

Nowcasts of hazardous weather are transmitted as needed. Ocean features charts are not available during summer months due to isothermal conditions.

TEST POINT (continued from page 4)
MINNESOTA TESTS

May 12, 1990	BARC
June 9, 1990	BARC
June 16, 1990	SPRC - Amateur Fair
June 30, 1990	SEMARC
September 8, 1990	BARC
September 15	SPRC
September 29, 1990	SEMARC
October 13, 1990	BARC
November 10, 1990	BARC
December 1, 1990	SPRC
December 8, 1990	BARC
December 15, 1990	SEMARC

Locations and contacts:

St. Paul Radio Club (SPRC)
St. Lukes School (cafeteria)
1065 Summit Ave.
St. Paul, MN
contact: Jay Bellows (612) 222-7253

Bloomington Amateur Radio Club (BARC)
Creekside Community Center
98th and Penn Ave. So.
Bloomington, MN
contact: Art Putt (612) 881-7181

SE Metro Area Radio Club (SEMARC)
St. Thomas Aquinas Activity Bldg.
920 Holly Ave.
St. Paul Park, MN
contact: David Harrell (612) 459-1647

The above Minnesota test are listed as a help to readers near or traveling thru the area. If you are interested in any of these, please save this listing as we may not always have space available to list them. Thanks to "Ground Wave" for the above information.

This section of Badger State Smoke Signals is available to publicize your Volunteer Examiner Amateur Radio license examination schedules.

Please send us your schedules of dates, times, and locations that you will be conducting examinations and we will include the information here. Be sure to include contact address and any other necessary requirements. Information should be sent to K9EN at the address shown on page 2.

SSB

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WANTED: 1945-46 issues of CQ Magazine, and ARRL Repeater Directories, editions #1 thru 7, 12 and 14. Dennis G, Eksten, W9SS, 5066 N. Second St., Loves Park, IL 61111. (815) 877-6768.

FOR SALE: Colorful United States Stamps. 100 all different. \$1.00 postpaid. Richard Regent, K9GDF, 5003 South 26th St., Milwaukee, WI 53221.

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PO Box 102 Milwaukee, WI 53172

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Tri-County P.O. Box 112
Amateur Radio Club Jefferson, WI 53549

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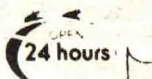
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